

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Spring 2019 Levee Inspection Results**

**Reclamation District No. 0003 Grand Island**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)				

\*\* Non-receipt of Summer or Winter Inspection  
Reports may effect overall annual rating.

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2019 Levee Inspection Results**

**Reclamation District No. 0003 Grand Island**

Waterway			Bank	Unit Miles
Unit No. 01 Left Bank Steamboat Slough			Left	10.95
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/3/2019 - 4/3/2019			
DWR Inspector	David Julian			
Accompanied By	David Robinson RD 3			

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>102</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
DWR ID	DWR_RD0003_01_s_2019_102				
Comment Code					
Inspector Comment					
LMA has a copy of the O & M manual on file at district office.					

No Photos

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>103</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
DWR ID	DWR_RD0003_01_s_2013_103				
Comment Code					
Inspector Comment					
District keeps supplies at pumphouse on Steamboat Slough and at Ryde. District says it has adequate supplies.					

No Photos

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>104</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
DWR ID	DWR_RD0003_01_s_2013_104				
Comment Code					
Inspector Comment					
District personnel have done flood fight training course in the last two years.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	0.00	Rating **	M	Issue No.	80
LM End	2.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.304005 °	38.275925 °
				-121.574313 °	-121.589973 °
DWR ID	DWR_RD0003_01_s_2019_80				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The LMA needs to maintain annual vegetation.					

Photo 1 of 1 : SP\_2019\_RD0003\_24\_80\_20190403\_00167.jpg



View looking downstream at vegetation on the landside slope (Spring 2019).

LM Start	0.06	Rating **	M	Issue No.	189
LM End	0.06	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.303892 °	38.303892 °
				-121.575309 °	-121.575309 °
DWR ID	22134				
Comment Code					
Inspector Comment					
FS_ID:41583 DS_ID:22134 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe open on LS slope. Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 10-inch steel irrigation pipe through the levee, invert elevation 6.6 feet below the crown. 36-inch concrete standpipe visible 30 feet upstream from the crossing on the landside (LS) toe. Pipe open on both ends. [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 26.06)]. FS Date: 8/27/2014					

Photo 1 of 2 : UCIP\_SP\_2019\_41583\_55234.jpg



Open pipe visible on LS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	0.06	Rating **	M	Issue No.	189 (cont)	
LM End	0.06	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.303892 °	38.303892 °	
				-121.575309 °	-121.575309 °	
DWR ID	22134					
Comment Code						
Inspector Comment						
FS_ID:41583 DS_ID:22134 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe open on LS slope. Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 10-inch steel irrigation pipe through the levee, invert elevation 6.6 feet below the crown. 36-inch concrete standpipe visible 30 feet upstream from the crossing on the landside (LS) toe. Pipe open on both ends. [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 26.06)]. FS Date: 8/27/2014						

Photo 2 of 2 : UCIP\_SP\_2019\_41583\_55233.jpg



Concrete standpipe visible on LS slope

LM Start	0.13	Rating **	M	Issue No.	19
LM End	0.13	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.303305 °	38.303305 °
				-121.576537 °	-121.576537 °
DWR ID	DWR_RD0003_01_f_2012_19				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Tree branches and limbs are located on waterward shoulder.					

Photo 1 of 2 : SP\_2019\_RD0003\_24\_19\_20190311\_00017.jpg



Looking north at tree branches on waterward slope. (Fall 2016)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	0.13	Rating **	M	Issue No.	19 (cont)	
LM End	0.13	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Encroachments			38.303305 °	38.303305 °	
				-121.576537 °	-121.576537 °	
DWR ID	DWR_RD0003_01_f_2012_19					
Comment Code						
TR : Tree or limb						
Inspector Comment						
Tree branches and limbs are located on waterward shoulder.						

Photo 2 of 2 : SP\_2019\_RD0003\_24\_19\_20190311\_00018.jpg



Looking west at tree branch on waterward shoulder and slope. (Fall 2016)

LM Start	0.13	Rating **	M	Issue No.	2	
LM End	0.13	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.303303 °		38.303303 °
				-121.576538 °		-121.576538 °
DWR ID	DWR_RD0003_01_f_2013_2					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						
A hole (8ft x 2.5ft x 5ft) is next to a large tree on waterward shoulder.						

Photo 1 of 3 : SP\_2019\_RD0003\_24\_2\_20190311\_00001.jpg



Looking east at hole at the base of an oak tree on the waterward shoulder. (2016)

LM Start	<b>0.13</b>	Rating **	M	Issue No.	<b>2 (cont)</b>
LM End	<b>0.13</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : SP\_2019\_RD0003\_24\_2\_20190311\_00002.jpg



Looking at a hole next to oak tree on waterward shoulder. (2015)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	0.13	Rating **	M	Issue No.	2 (cont)	
LM End	0.13	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.303303 °	38.303303 °	
				-121.576538 °	-121.576538 °	
DWR ID	DWR_RD0003_01_f_2013_2					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						
A hole (8ft x 2.5ft x 5ft) is next to a large tree on waterward shoulder.						

Photo 3 of 3 : SP\_2019\_RD0003\_24\_2\_20190311\_00003.jpg



Looking east at hole at base of tree on waterward shoulder. (2014)

LM Start	0.18	Rating **	A/W	Issue No.	51
LM End	0.24	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.303035 °	38.302544 °
				-121.577357 °	-121.578241 °
DWR ID	DWR_RD0003_01_f_2018_51				
Comment Code					
Inspector Comment					
2017 Site ID: STM 26.0 L					
Status: Critical					
2018: Deep erosion into waterside toe, I consider this critical (Djulian).					
2017 Field Notes: Upgraded to critical. Significant bank failure on upstream end.					
Site History: 1997 - Mass failure of berm slope and wave wash erosion. Large trees on top of berm, some failed trees. New area of low rock to on the upstream end. 2000 - Some minor erosion near the downstream end. 2005 - One new small tree has fallen. 2009 - Minimal new erosion. 2010 - Minor new erosion. 2013 - Observed new animal holes and vertical sections at middle of site. 2015 - Minor new erosion.					

Photo 1 of 1 : SP\_2019\_RD0003\_24\_51\_20190311\_00032.jpg



USACE 2013 Photo #1

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	0.18	Rating **	A/W	Issue No.	52
LM End	0.21	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.302981 °	38.302778 °
				-121.577336 °	-121.577683 °
DWR ID	DWR_RD0003_01_s_2018_52				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description: District station 9+63 to 10+85, Sec. 07, T. 5 N. R. 4 E., M.D.M. An erosion site exists along approximately 122 linear feet of the waterside slope of Steamboat Slough (Unit 1). Erosion commences approximately 1/3 of the way down the slope from the crown to the waterside toe. Erosion is undercutting existing trees.					
Site ID No: 274					
Site Designation: LMA-100					
Repair Type: Erosion					
Rating: Serious					
Field Date: 7/26/2017					
Notes: trees undercut by erosion					

Photo 1 of 3 : LEVAL\_SP\_2019\_274\_2391.jpg



LM Start	<b>0.18</b>	Rating **	A/W	Issue No.	<b>52 (cont)</b>
LM End	<b>0.21</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : LEVAL\_SP\_2019\_274\_2392.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

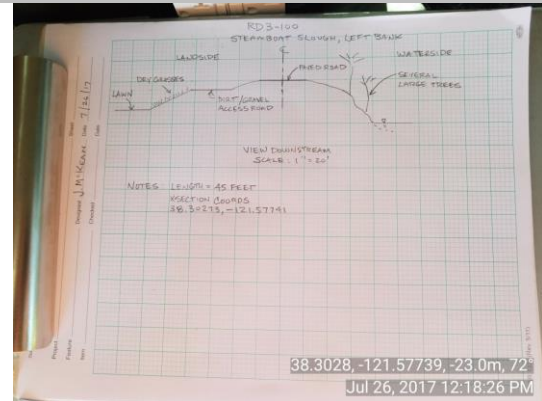
**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	0.18	Rating **	A/W	Issue No.	52 (cont)	
LM End	0.21	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	2017 Storm Damage			38.302981 °		38.302778 °
				-121.577336 °		-121.577683 °
DWR ID	DWR_RD0003_01_s_2018_52					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description: District station 9+63 to 10+85, Sec. 07, T. 5 N. R. 4 E., M.D.M. An erosion site exists along approximately 122 linear feet of the waterside slope of Steamboat Slough (Unit 1). Erosion commences approximately 1/3 of the way down the slope from the crown to the waterside toe. Erosion is undercutting existing trees.						
Site ID No: 274						
Site Designation: LMA-100						
Repair Type: Erosion						
Rating: Serious						
Field Date: 7/26/2017						
Notes: trees undercut by erosion						

Photo 3 of 3 : LEVAL\_SP\_2019\_274\_2395.jpg



LM Start	0.21	Rating **	M	Issue No.	188
LM End	0.21	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.302625 °	38.302625 °
				-121.577683 °	-121.577683 °
DWR ID	DWR_RD0003_01_s_2012_188				
Comment Code					
GA : Garbage					
Inspector Comment					
Landowner has piled wooden boards and trash on waterside berm.					

Photo 1 of 4 : SP\_2019\_RD0003\_24\_188\_20190311\_00093.jpg



Looking southwest at garbage on waterward berm. (Fall 2014)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	0.21	Rating **	M	Issue No.	188 (cont)	
LM End	0.21	Issue Type +	En	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.302625 °		38.302625 °
				-121.577683 °		-121.577683 °
DWR ID	DWR_RD0003_01_s_2012_188					
Comment Code						
GA : Garbage						
Inspector Comment						
Landowner has piled wooden boards and trash on waterside berm.						

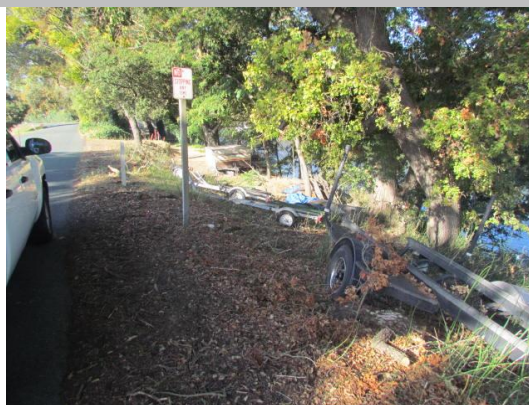
Photo 2 of 4 : SP\_2019\_RD0003\_24\_188\_20190311\_00094.jpg



Looking southwest at garbage and equipment on waterward berm. (Fall 2014)

LM Start	<b>0.21</b>	Rating **	M	Issue No.	<b>188 (cont)</b>
LM End	<b>0.21</b>	Issue Type +	En	Location *	WS

Photo 3 of 4 : SP\_2019\_RD0003\_24\_188\_20190311\_00095.jpg



Looking southwest at equipment and garbage stored on waterward slope and toe. (Spring 2014)

LM Start	<b>0.21</b>	Rating **	M	Issue No.	<b>188 (cont)</b>
LM End	<b>0.21</b>	Issue Type +	En	Location *	WS

Photo 4 of 4 : SP\_2019\_RD0003\_24\_188\_20190311\_00096.jpg



Looking southwest at trash on waterside berm. (Spring 2014)

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

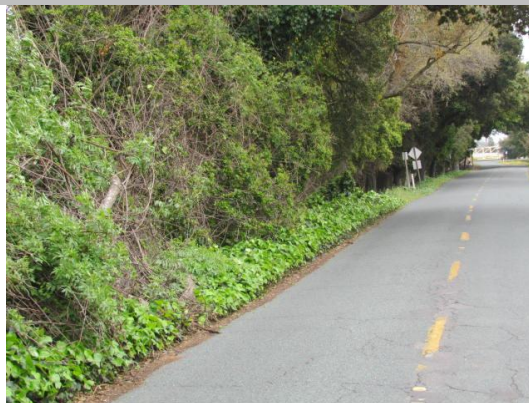
**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	0.22	Rating **	U	Issue No.	6
LM End	0.33	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.302530 °	38.301424 °
				-121.577848 °	-121.579113 °
DWR ID	DWR_RD0003_01_s_2012_6				
Comment Code					
V6 : Landscaping					
Inspector Comment					
There is dense landscaping on waterward shoulder and slope.					

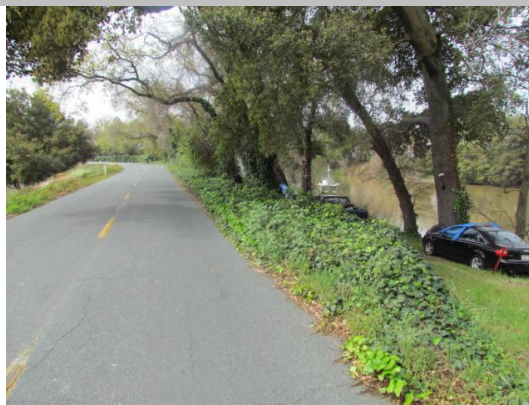
Photo 1 of 2 : SP\_2019\_RD0003\_24\_6\_20190311\_00004.jpg



Looking northeast at dense landscaping on waterward shoulder.

LM Start	<b>0.22</b>	Rating **	U	Issue No.	<b>6 (cont)</b>
LM End	<b>0.33</b>	Issue Type +	En	Location *	WS

Photo 2 of 2 : SP\_2019\_RD0003\_24\_6\_20190311\_00005.jpg

Looking southwest at landscaping on waterside shoulder and slope.  
(2015)

LM Start	0.52	Rating **	M	Issue No.	88
LM End	4.41	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.298852 °	38.252558 °
				-121.580501 °	-121.600832 °
DWR ID	DWR_RD0003_01_s_2019_88				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Maintain annual vegetation.					

Photo 1 of 1 : SP\_2019\_RD0003\_24\_88\_20190403\_00168.jpg

View looking downstream at annual vegetation on the waterside slope  
(Spring 2019).

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

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**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	0.91	Rating **	A/W	Issue No.	53
LM End	0.97	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.293381 °	38.292617 °
				-121.582450 °	-121.582675 °
DWR ID	DWR_RD0003_01_s_2018_53				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:District station 48+20 to 51+06, Sec. 07, T. 5 N. R. 4 E., M.D.M. An erosion site exists along approximately 286 linear feet of the waterside slope of Steamboat Slough (Unit 1). The erosion begins approximately 1/2 of the way down the slope from the crown to the waterside toe. Erosion is undercutting existing trees.					
Site ID No:275					
Site Designation:LMA-101					
Repair Type: Erosion					
Rating:Serious					
Field Date:7/26/2017					
Notes:					

Photo 1 of 3 : LEVAL\_SP\_2019\_275\_2396.jpg



LM Start	<b>0.91</b>	Rating **	A/W	Issue No.	<b>53 (cont)</b>
LM End	<b>0.97</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 3 : LEVAL\_SP\_2019\_275\_2398.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	0.91	Rating **	A/W	Issue No.	53 (cont)
LM End	0.97	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.293381 °	38.292617 °
				-121.582450 °	-121.582675 °
DWR ID	DWR_RD0003_01_s_2018_53				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description: District station 48+20 to 51+06, Sec. 07, T. 5 N. R. 4 E., M.D.M. An erosion site exists along approximately 286 linear feet of the waterside slope of Steamboat Slough (Unit 1). The erosion begins approximately 1/2 of the way down the slope from the crown to the waterside toe. Erosion is undercutting existing trees.					
Site ID No: 275					
Site Designation: LMA-101					
Repair Type: Erosion					
Rating: Serious					
Field Date: 7/26/2017					
Notes:					

Photo 3 of 3 : LEVAL\_SP\_2019\_275\_2399.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	0.91	Rating **	A/W	Issue No.	49
LM End	0.96	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.293386 °	38.292675 °
				-121.582554 °	-121.582741 °
DWR ID	DWR_RD0003_01_f_2018_49				
Comment Code					
Inspector Comment					
2017 Site ID: STM 25.0 L					
Status: Critical					
2018: Deep erosion into levee toe. Roots are exposed. I would consider this critical.					
2017 Field Notes: Upgraded to critical. Site has eroded to near vertical at upstream end.					
Site History: 1997 - Erosion of sandy levee on top left bank. Site is downstream of a rock section. Large riparian trees on the bank. 1999 - Upstream half of the reach repaired with rock, except for a 30 ft reach at the upstream end. 2001 - Rock repair on the upstream and downstream ends; no revetment at the trees. 2002 - Rock repair is starting to slide off the geotextile at the upstream end. 2005 - One new small tree has fallen. 2006 - 50 ft pocket at the downstream end and at the upstream end with new rock in between. 2007 - Upstream end has been repaired. 2008 - Area closed sign on bank. Newly fallen trees at both ends and pop outs along the bank. 2010 - Site extended downstream. 2011 - New erosion at the toe. More trees popouts. 2013 - Short vertical sections observed at the downstream end. 2015 - Significant new erosion, large oak tree on verge of popping out. 2016 - Sites 24.8 and 25 were combined.					

Photo 1 of 1 : SP\_2019\_RD0003\_24\_49\_20190311\_00030.jpg



USACE 2013 Photo #1

LM Start	1.03	Rating **	U	Issue No.	56
LM End	1.18	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.291695 °	38.289575 °
				-121.582993 °	-121.583092 °
DWR ID	DWR_RD0003_01_f_2018_56				
Comment Code					
Inspector Comment					
2017 Site ID: STM 24.8 L Status: Eroding 2018: Pockets of erosion that are deep into the levee toe that I would consider critical (Djulian). 2017 Field Notes: New erosion at toe. Site History: 2008 - Area closed sign on bank. Newly fallen trees at both ends and pop outs along the bank. 2010 - Site extended downstream. 2011 - New erosion at the toe. More trees popouts. 2013 - Short vertical sections observed at the downstream end.					

Photo 1 of 2 : SP\_2019\_RD0003\_24\_56\_20190311\_00041.jpg



USACE 2013 Photo #1

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	1.03	Rating **	U	Issue No.	56 (cont)	
LM End	1.18	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 USACE Erosion Survey, DRAFT			38.291695 °	38.289575 °	
				-121.582993 °	-121.583092 °	
DWR ID	DWR_RD0003_01_f_2018_56					
Comment Code						
Inspector Comment						
2017 Site ID: STM 24.8 L						
Status: Eroding						
2018: Pockets of erosion that are deep into the levee toe that I would consider critical (Djulian).						
2017 Field Notes: New erosion at toe.						
Site History: 2008 - Area closed sign on bank. Newly fallen trees at both ends and pop outs along the bank. 2010 - Site extended downstream. 2011 - New erosion at the toe. More trees popouts.						
2013 - Short vertical sections observed at the downstream end.						

Photo 2 of 2 : SP\_2019\_RD0003\_24\_56\_20190311\_00042.jpg



USACE 2013 Photo #2

LM Start	1.04	Rating **	M	Issue No.	132
LM End	1.04	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.291528 °	38.291528 °
				-121.582767 °	-121.582767 °
DWR ID	DWR_RD0003_01_f_2014_132				
Comment Code					
SI : Sign					
Inspector Comment					
There is an unauthorized sign on the waterward shoulder.					

Photo 1 of 1 : SP\_2019\_RD0003\_24\_132\_20190311\_00092.jpg



Looking southwest at sign on waterward shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	1.07	Rating **	U	Issue No.	12
LM End	1.08	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.291055 °	38.290898 °
				-121.582765 °	-121.582777 °
DWR ID	DWR_RD0003_01_s_2012_12				
Comment Code					
V6 : Landscaping					
Inspector Comment					

LM Start	<b>1.07</b>	Rating **	U	Issue No.	<b>12 (cont)</b>
LM End	<b>1.08</b>	Issue Type +	En	Location *	LS

Photo 1 of 2 : SP\_2019\_RD0003\_24\_12\_20190311\_00012.jpg



Looking northeast at dense landscape on landward slope. (Spring 2013)

Photo 2 of 2 : SP\_2019\_RD0003\_24\_12\_20190311\_00013.jpg



Looking southeast at landscaping on landside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	1.09	Rating **	A/W	Issue No.	60
LM End	1.10	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.290819 °	38.290706 °
				-121.582942 °	-121.582939 °
DWR ID	DWR_RD0003_01_f _ 2017_60				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:District station 57+57 to 57+98, Sec. 18, 1. 5 N. R. 4 E., M.D.M. An erosion site exists along approximately 41 linear feet of the water side slope of Steamboat Slough (Unit 1). The erosion commences approximately 1/2 of the way down the slope from the crown to the waterside toe.					
Site ID No:276					
Site Designation:LMA-102					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/26/2017					
Notes:					

Photo 1 of 3 : SP\_2019\_RD0003\_24\_60\_20190311\_00046.jpg



Photo 2 of 3 : SP\_2019\_RD0003\_24\_60\_20190311\_00047.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	1.09	Rating **	A/W	Issue No.	60 (cont)	
LM End	1.10	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.290819 °	38.290706 °	
				-121.582942 °	-121.582939 °	
DWR ID	DWR_RD0003_01_f _ 2017_60					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:District station 57+57 to 57+98, Sec. 18, 1. 5 N. R. 4 E., M.D.M. An erosion site exists along approximately 41 linear feet of the water side slope of Steamboat Slough (Unit 1). The erosion commences approximately 1/2 of the way down the slope from the crown to the waterside toe.						
Site ID No:276						
Site Designation:LMA-102						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:7/26/2017						
Notes:						

Photo 3 of 3 : SP\_2019\_RD0003\_24\_60\_20190311\_00048.jpg



LM Start	1.21	Rating **	U	Issue No.	21
LM End	1.26	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.289130 °	38.288327 °
				-121.582800 °	-121.582822 °
DWR ID	DWR_RD0003_01_s_2013_21				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Landscaping has been in place for several years.					

Photo 1 of 2 : SP\_2019\_RD0003\_24\_21\_20190311\_00020.jpg



Looking south at landside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	1.21	Rating **	U	Issue No.	21 (cont)	
LM End	1.26	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.289130 °		38.288327 °
				-121.582800 °		-121.582822 °
DWR ID	DWR_RD0003_01_s_2013_21					
Comment Code						
V6 : Landscaping						
Inspector Comment						
Landscaping has been in place for several years.						

Photo 2 of 2 : SP\_2019\_RD0003\_24\_21\_20190311\_00021.jpg



Looking north at dense landscaping on landward shoulder and slope.  
(Spring 2017)

LM Start	1.29	Rating **	M	Issue No.	108
LM End	1.29	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.287920 °	38.287920 °
				-121.582822 °	-121.582822 °
DWR ID	DWR_RD0003_01_s_2019_108				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove trimmed tree branches from landside slope					

Photo 1 of 1 : SP\_2019\_RD0003\_24\_108\_20190403\_00170.jpg



View of trimmed tree branches on landside shoulder (Spring 2019).

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	1.32	Rating **	M	Issue No.	190	
LM End	1.32	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.287515 °	38.287515 °	
				-121.582925 °	-121.582925 °	
DWR ID	24838					
Comment Code						
Inspector Comment						
FS_ID:31287 DS_ID:24838 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 2.5-inch galvanized iron irrigation pipe through the levee, 4 feet below the crown. 1.25-inch galvanized iron electrical conduit at the same location. FS Date: 2/13/2014						

LM Start	<b>1.32</b>	Rating **	M	Issue No.	<b>190 (cont)</b>
LM End	<b>1.32</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_31287\_57298.jpg



Walkway to pier on WS shoulder.

Photo 2 of 3 : UCIP\_SP\_2019\_31287\_57297.jpg



Pipe visible just off LS shoulder in vegetation.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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# Reclamation District No. 0003 Grand Island

Pipe visible just off LS shoulder in vegetation.

Looking southeast at firewood stockpiled at landward toe.

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	1.39	Rating **	U	Issue No.	33
LM End	1.43	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.286623 °	38.286225 °
				-121.583586 °	-121.584078 °
DWR ID	DWR_RD0003_01_s_2012_33				
Comment Code					
EQ : Equipment					
Inspector Comment					
There is equipment and a large fallen tree on the landward toe.					

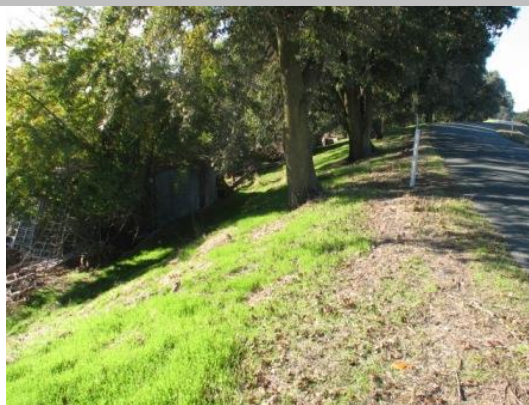
LM Start	<b>1.39</b>	Rating **	U	Issue No.	<b>33 (cont)</b>
LM End	<b>1.43</b>	Issue Type +	En	Location *	LS

Photo 1 of 3 : SP\_2019\_RD0003\_24\_33\_20190311\_00023.jpg



Looking east at tool shed and equipment on landside toe.

Photo 2 of 3 : SP\_2019\_RD0003\_24\_33\_20190311\_00024.jpg



Equipment within 10' of levee toe obstructs access and visibility.

LM Start	<b>1.39</b>	Rating **	U	Issue No.	<b>33 (cont)</b>
LM End	<b>1.43</b>	Issue Type +	En	Location *	LS

Photo 3 of 3 : SP\_2019\_RD0003\_24\_33\_20190311\_00025.jpg



Equipment and fallen tree on landside toe.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	1.46	Rating **	C	Issue No.	64
LM End	1.46	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.285978 °	38.285978 °
				-121.584580 °	-121.584580 °
DWR ID	DWR_RD0003_01_f_2018_64				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Fallen branch should be removed.					

No Photos

LM Start	1.59	Rating **	U	Issue No.	15
LM End	1.59	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.284777 °	38.284777 °
				-121.586340 °	-121.586340 °
DWR ID	DWR_RD0003_01_f_2018_15				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Large redwood trees are on the landward shoulder.					

Photo 1 of 2 : SP\_2019\_RD0003\_24\_15\_20190311\_00014.jpg



Looking southwest at landside slope.

LM Start	<b>1.59</b>	Rating **	U	Issue No.	<b>15 (cont)</b>
LM End	<b>1.59</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP\_2019\_RD0003\_24\_15\_20190311\_00015.jpg

Looking southeast at dense trees on landside shoulder and slope.  
(updated Spring 2012)

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	1.60	Rating **	U	Issue No.	7
LM End	1.60	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.284645 °	38.284645 °
				-121.586534 °	-121.586534 °
DWR ID	DWR_RD0003_01_s_2012_7				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_RD0003\_24\_7\_20190311\_00006.jpg



Looking south at dense landscaping on landside shoulder and slope.

LM Start	1.61	Rating **	U	Issue No.	16
LM End	1.65	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.284574 °	38.284177 °
				-121.586631 °	-121.587208 °
DWR ID	DWR_RD0003_01_s_2012_16				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_RD0003\_24\_16\_20190311\_00016.jpg



Looking southwest at dense landscaping on landside shoulder and slope.

LM Start	1.69	Rating **	M	Issue No.	62
LM End	1.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.283747 °	38.283747 °
				-121.587622 °	-121.587622 °
DWR ID	DWR_RD0003_01_f_2016_62				
Comment Code					
TR : Tree or limb					
Inspector Comment					
There is a broken tree branch on the waterward slope.					

Photo 1 of 2 : SP\_2019\_RD0003\_24\_62\_20190311\_00049.jpg



* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	1.69	Rating **	M	Issue No.	62 (cont)	
LM End	1.69	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.283747 °		38.283747 °
				-121.587622 °		-121.587622 °
DWR ID	DWR_RD0003_01_f_2016_62					
Comment Code						
TR : Tree or limb						
Inspector Comment						
There is a broken tree branch on the waterward slope.						

Photo 2 of 2 : SP\_2019\_RD0003\_24\_62\_20190311\_00050.jpg



Looking southwest at broken branches on waterward slope.

LM Start	1.76	Rating **	M	Issue No.	8
LM End	1.76	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.282771 °	38.282771 °
				-121.588227 °	-121.588227 °
DWR ID	DWR_RD0003_01_s_2012_8				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 2 : SP\_2019\_RD0003\_24\_8\_20190311\_00007.jpg



Looking east at vegetation on landward slope. (Fall 2016)

LM Start	<b>1.76</b>	Rating **	M	Issue No.	<b>8 (cont)</b>
LM End	<b>1.76</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP\_2019\_RD0003\_24\_8\_20190311\_00008.jpg



Looking east at vegetation on landside slope.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

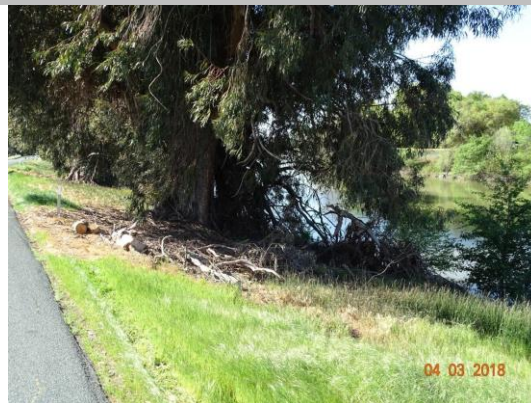
**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	1.91	Rating **	M	Issue No.	54
LM End	1.91	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.280638 °	38.280638 °
				-121.588457 °	-121.588457 °
DWR ID	DWR_RD0003_01_s_2018_54				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove tree trimmings from the waterside slope.					

Photo 1 of 1 : SP\_2019\_RD0003\_24\_54\_20190311\_00039.jpg



Cut branches on waterside slope.

LM Start	2.11	Rating **	M	Issue No.	70
LM End	2.11	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.277908 °	38.277908 °
				-121.589138 °	-121.589138 °
DWR ID	DWR_RD0003_01_s_2016_70				
Comment Code					
EQ : Equipment					
Inspector Comment					
Old farm equipment and storage containers are stored at the landward toe.					

Photo 1 of 1 : SP\_2019\_RD0003\_24\_70\_20190311\_00058.jpg



LM Start	2.27	Rating **	M	Issue No.	55
LM End	2.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.275827 °	38.275827 °
				-121.589979 °	-121.589979 °
DWR ID	DWR_RD0003_01_s_2018_55				
Comment Code					
TR : Tree or limb					
Inspector Comment					
There is a fallen tree on the waterside slope.					

Photo 1 of 1 : SP\_2019\_RD0003\_24\_55\_20190311\_00040.jpg



Fallen tree limb on waterside.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	2.38	Rating **	M	Issue No.	26
LM End	2.38	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.274775 °	38.274775 °
				-121.588295 °	-121.588295 °
DWR ID	DWR_RD0003_01_s_2013_26				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Landscaping has been reduced in this area, but still inhibits inspection and access.					

Photo 1 of 1 : SP\_2019\_RD0003\_24\_26\_20190311\_00022.jpg



Landscaping should continue to be reduced.

LM Start	2.40	Rating **	M	Issue No.	191
LM End	2.40	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.274633 °	38.274633 °
				-121.588121 °	-121.588121 °
DWR ID	22324				
Comment Code					
Inspector Comment					
FS_ID:29569 DS_ID:22324 EP_NO: 4346 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Pipe is abandoned and should be verified as having been done so properly. FIELD_STRUCT_DESC: 6-inch steel irrigation discharge pipe through the levee, invert elevation 1.5 feet below the crown. Pump visible at the landside (LS) toe. (Plans for replacing existing 10-inch pipe with a new 10-inch pipe through the levee authorized under Permit No. 4346, 1963 - Hamatani Brothers). [Additional Reference(s): USACE Sacramento O&M Manual 104, February 1960, (RM 23.70)]. FS Date: 2/13/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_29569\_54641.jpg



Pump visible on LS toe.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	2.40	Rating **	M	Issue No.	191 (cont)	
LM End	2.40	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.274633 °		38.274633 °
				-121.588121 °		-121.588121 °
DWR ID	22324					
Comment Code						
Inspector Comment						
FS_ID:29569 DS_ID:22324 EP_NO: 4346 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Pipe is abandoned and should be verified as having been done so properly. FIELD_STRUCT_DESC: 6-inch steel irrigation discharge pipe through the levee, invert elevation 1.5 feet below the crown. Pump visible at the landside (LS) toe. (Plans for replacing existing 10-inch pipe with a new 10-inch pipe through the levee authorized under Permit No. 4346, 1963 - Hamatani Brothers). [Additional Reference(s): USACE Sacramento O&M Manual 104, February 1960, (RM 23.70)]. FS Date: 2/13/2014						

LM Start	<b>2.40</b>	Rating **	M	Issue No.	<b>191 (cont)</b>
LM End	<b>2.40</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_29569\_54640.jpg



Pump visible at LS toe. Pipe alignment of old pipe goes between two large oaks on LS shoulder.

Photo 3 of 3 : UCIP\_SP\_2019\_29569\_54639.jpg



Pump visible on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	2.43	Rating **	U	Issue No.	57
LM End	2.74	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.274213 °	38.269914 °
				-121.587646 °	-121.588682 °
DWR ID	DWR_RD0003_01_s_2018_57				
Comment Code					
TR : Tree or limb					
Inspector Comment					
A row of trees along the toe of levee inhibits inspection and prevents access.					

Photo 1 of 1 : SP\_2019\_RD0003\_24\_57\_20190311\_00043.jpg



Closely spaced trees along toe.

LM Start	2.53	Rating **	U	Issue No.	65
LM End	2.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.272886 °	38.272262 °
				-121.587624 °	-121.588010 °
DWR ID	DWR_RD0003_01_s_2018_65				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_RD0003\_24\_65\_20190311\_00054.jpg



Landside vegetation.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	2.55	Rating **	M	Issue No.	192
LM End	2.55	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.272613 °	38.272613 °
				-121.587821 °	-121.587821 °
DWR ID	22146				
Comment Code					
Inspector Comment					
FS_ID:29567 DS_ID:22146 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to verify proper abandonment of irrigation pipe. FIELD_STRUCT_DESC: *ABANDONED* 10-inch steel irrigation discharge pipe through the levee, invert elevation 4.2 feet below the crown. 5-foot by 7-foot concrete distribution box at the landside (LS) toe. Cannot see pipe on the waterside (WS). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 23.55)]. FS Date: 2/13/2014					

Photo 1 of 2 : UCIP\_SP\_2019\_29567\_54634.jpg



Pipe visible inside concrete distribution box on LS toe.

LM Start	<b>2.55</b>	Rating **	M	Issue No.	<b>192 (cont)</b>
LM End	<b>2.55</b>	Issue Type +	En	Location *	

Photo 2 of 2 : UCIP\_SP\_2019\_29567\_54633.jpg



Pipe visible inside concrete distribution box on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	2.57	Rating **	M	Issue No.	109
LM End	10.60	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.272316 °	38.184120 °
				-121.588024 °	-121.647614 °
DWR ID	DWR_RD0003_01_s_2019_109				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Maintain annual vegetation.					

Photo 1 of 1 : SP\_2019\_RD0003\_24\_109\_20190403\_00171.jpg



View looking downstream at annual vegetation on the landside slope (Spring 2019).

LM Start	2.66	Rating **	M	Issue No.	82
LM End	2.66	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.271128 °	38.271128 °
				-121.588634 °	-121.588634 °
DWR ID	DWR_RD0003_01_f_2017_82				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Tree limbs should be removed from the waterside slope.					

Photo 1 of 1 : SP\_2019\_RD0003\_24\_82\_20190311\_00075.jpg



Looking southwest at waterside slope.

LM Start	2.69	Rating **	M	Issue No.	29
LM End	2.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.270733 °	38.270733 °
				-121.588708 °	-121.588708 °
DWR ID	DWR_RD0003_01_s_2018_29				
Comment Code					
TR : Tree or limb					
Inspector Comment					
There is a large tree limb on the waterside slope.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	2.82	Rating **	M	Issue No.	41
LM End	2.82	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.268844 °	38.268844 °
				-121.588264 °	-121.588264 °
DWR ID	DWR_RD0003_01_s_2012_41				
Comment Code					
V6 : Landscaping					
Inspector Comment					

No Photos

LM Start	2.87	Rating **	U	Issue No.	48
LM End	2.87	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.268257 °	38.268257 °
				-121.587677 °	-121.587677 °
DWR ID	DWR_RD0003_01_s_2013_48				
Comment Code					
BU : Building					
Inspector Comment					
A storage shed has been located here for several years on the waterward berm. The storage shed appears to be abandoned and should be removed.					

Photo 1 of 1 : SP\_2019\_RD0003\_24\_48\_20190311\_00029.jpg



Looking northwest at storage shed on waterward berm.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	2.92	Rating **	M	Issue No.	193
LM End	2.92	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.267565 °	38.267565 °
				-121.587390 °	-121.587390 °
DWR ID	22148				
Comment Code					
Inspector Comment					
FS_ID:29563 DS_ID:22148 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pitted holes on slant pump intake may indicate internal problem. Good candidate for video inspection. FIELD_STRUCT_DESC: 14-inch steel irrigation discharge pipe though the levee, invert elevation 6.3 feet below the crown. Service pole on the landside (LS) slope. 1.5-inch electrical conduit through the levee to the pump on the waterside (WS). 36-inch concrete standpipe at the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1993, 16-inch pipe referenced. USACE Sacramento O&M Manual 104, February 1960, (RM 23.17), 16-inch pipe referenced]. FS Date: 2/13/2014					

LM Start	<b>2.92</b>	Rating **	M	Issue No.	<b>193 (cont)</b>
LM End	<b>2.92</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_29563\_54622.jpg



Intake pipe at slantpump on WS slope.

Photo 2 of 3 : UCIP\_SP\_2019\_29563\_54621.jpg



Multiple leaks in suction pipe on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	2.92	Rating **	M	Issue No.	193 (cont)	
LM End	2.92	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.267565 °	38.267565 °	
				-121.587390 °	-121.587390 °	
DWR ID	22148					
Comment Code						
Inspector Comment						
FS_ID:29563						
DS_ID:22148						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pitted holes on slant pump intake may indicate internal problem. Good candidate for video inspection.						
FIELD_STRUCT_DESC: 14-inch steel irrigation discharge pipe though the levee, invert elevation 6.3 feet below the crown. Service pole on the landside (LS) slope. 1.5-inch electrical conduit through the levee to the pump on the waterside (WS). 36-inch concrete standpipe at the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1993, 16-inch pipe referenced. USACE Sacramento O&M Manual 104, February 1960, (RM 23.17), 16-inch pipe referenced].						
FS Date: 2/13/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_29563\_54620.jpg



Pipe and standpipe visible on LS toe. Power pole and meter on LS slope.

LM Start	2.93	Rating **	U	Issue No.	68
LM End	3.06	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.267448 °	38.265504 °
				-121.587369 °	-121.587155 °
DWR ID	DWR_RD0003_01_s_2018_68				
Comment Code					
TR : Tree or limb					
Inspector Comment					
There is a row of trees along the landside toe which inhibits inspection and prevents access.					

Photo 1 of 1 : SP\_2019\_RD0003\_24\_68\_20190311\_00056.jpg



Closely spaced trees along toe (Spring 2018).

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	3.06	Rating **	M	Issue No.	194
LM End	3.06	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.265509 °	38.265509 °
				-121.587134 °	-121.587134 °
DWR ID	22149				
Comment Code					
Inspector Comment					
FS_ID:31327 DS_ID:22149 EP_NO: 6870 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Erosion on LS slope between pumphouse and tank. FIELD_STRUCT_DESC: 1 of 3: 18-inch steel irrigation discharge pipe through the levee, invert elevation 5.5 feet below the crown. Primer pump in a pump house on the landside (LS) slope. Tank and filler pipes on the LS slope. (Plans to retain a pump house, a pressure tank, two buried metal tanks, and a pipeline authorized under Permit No. 6870, 1970 - H. P. Garin Jr, et al.). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 23.03)]. FS Date: 2/13/2014					

LM Start	<b>3.06</b>	Rating **	M	Issue No.	<b>194 (cont)</b>
LM End	<b>3.06</b>	Issue Type +	En	Location *	

Photo 1 of 2 : UCIP\_SP\_2019\_31327\_57380.jpg



Pumphouse , tank, and filler pipes visible on LS slope. (note erosion between tank and pumphouse.

Photo 2 of 2 : UCIP\_SP\_2019\_31327\_57379.jpg



Pipe with fish screen visible on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	3.11	Rating **	U	Issue No.	20
LM End	3.13	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.264902 °	38.264580 °
				-121.587193 °	-121.587220 °
DWR ID	DWR_RD0003_01_s_2012_20				
Comment Code					
V6 : Landscaping					
Inspector Comment					
There is an oleander on the landside shoulder.					

Photo 1 of 1 : SP\_2019\_RD0003\_24\_20\_20190311\_00019.jpg



Looking south at dense veg. on landside slope.

LM Start	3.12	Rating **	M	Issue No.	110
LM End	3.12	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.264688 °	38.264688 °
				-121.587159 °	-121.587159 °
DWR ID	DWR_RD0003_01_s_2019_110				
Comment Code					
TA : Tank					
Inspector Comment					
There is a tank on the landside slope.					

Photo 1 of 1 : SP\_2019\_RD0003\_24\_110\_20190403\_00172.jpg



View of tank on the landside slope (Spring 2019).

LM Start	3.16	Rating **	N	Issue No.	47
LM End	3.16	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.264154 °	38.264154 °
				-121.587242 °	-121.587242 °
DWR ID	DWR_RD0003_01_s_2012_47				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
There are 6 large stumps on the slope.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	3.23	Rating **	M	Issue No.	195
LM End	3.23	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.263075 °	38.263075 °
				-121.587451 °	-121.587451 °
DWR ID	22151				
Comment Code					
Inspector Comment					
FS_ID:29547 DS_ID:22151 EP_NO: 1113 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pump pier is damaged and falling into the water. FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, invert elevation 4 feet below the crown. Vertical pump on a pile structure in the stream. Walkway from the waterside (WS) berm to the pump. 1.5-inch electrical conduit and 2.5-inch filler pipe at the same location. 36-inch concrete standpipe on the landside (LS) toe. (Plans for the installation of a 12-inch irrigation pipe through the levee authorized under Permit No. 1113, 1946 - Elsie Goldman Dixon). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 22.85)]. FS Date: 2/13/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_29547\_54611.jpg



Walkway to pump on pier at WS slope.

LM Start	<b>3.23</b>	Rating **	M	Issue No.	<b>195 (cont)</b>
LM End	<b>3.23</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_29547\_54610.jpg



Damaged pump platform at WS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	3.23	Rating **	M	Issue No.	195 (cont)	
LM End	3.23	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.263075 °	38.263075 °	
				-121.587451 °	-121.587451 °	
DWR ID	22151					
Comment Code						
Inspector Comment						
FS_ID:29547 DS_ID:22151 EP_NO: 1113 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pump pier is damaged and falling into the water. FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, invert elevation 4 feet below the crown. Vertical pump on a pile structure in the stream. Walkway from the waterside (WS) berm to the pump. 1.5-inch electrical conduit and 2.5-inch filler pipe at the same location. 36-inch concrete standpipe on the landside (LS) toe. (Plans for the installation of a 12-inch irrigation pipe through the levee authorized under Permit No. 1113, 1946 - Elsie Goldman Dixon). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 22.85)]. FS Date: 2/13/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_29547\_54609.jpg



Concrete standpipe and pipe visible on LS toe.

LM Start	3.82	Rating **	U	Issue No.	9
LM End	3.87	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.258222 °	38.257453 °
				-121.593793 °	-121.593942 °
DWR ID	DWR_RD0003_01_s_2012_9				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 3 : SP\_2019\_RD0003\_24\_9\_20190311\_00009.jpg



Looking south at landside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	3.82	Rating **	U	Issue No.	9 (cont)	
LM End	3.87	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Vegetation			38.258222 °	38.257453 °	
				-121.593793 °	-121.593942 °	
DWR ID	DWR_RD0003_01_s_2012_9					
Comment Code						
V6 : Landscaping						
Inspector Comment						

Photo 2 of 3 : SP\_2019\_RD0003\_24\_9\_20190311\_00010.jpg



Looking south at trees on landward shoulder and slope (Spring 2016).

LM Start	<b>3.82</b>	Rating **	U	Issue No.	<b>9 (cont)</b>
LM End	<b>3.87</b>	Issue Type +	En	Location *	LS

Photo 3 of 3 : SP\_2019\_RD0003\_24\_9\_20190311\_00011.jpg



Looking south at trees on landward shoulder and slope. (Fall 2015)



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	3.82	Rating **	M	Issue No.	196
LM End	3.82	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.258166 °	38.258166 °
				-121.593801 °	-121.593801 °
DWR ID	22317				
Comment Code					
Inspector Comment					
FS_ID:29530 DS_ID:22317 EP_NO: 17221 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Open trench along WS slope paralell to river. FIELD_STRUCT_DESC: 7-inch steel boat dock service conduit through the levee, 4 feet below the crown. 1.5-inch and 4-inch polyvinyl chloride (PVC) pipes sleeved through the 7-inch conduit. Steps on the waterside (WS) slope. Tank on the landside (LS) shoulder. Conduit provides service to the boat dock just upstream. (Plans to install 1.5-inch and 4-inch PVC pipes through the existing 8-inch steel pipe and through the LS slope, to construct a 48-foot by 21-foot boat dock supported on four steel piles, and to construct a 14-foot-wide access ramp on the LS slope authorized under Permit No. 17221, 2000 - Hart, Inc). FS Date: 2/13/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_29530\_54592.jpg



7-inch pipe visible on WS slope.

LM Start	<b>3.82</b>	Rating **	M	Issue No.	<b>196 (cont)</b>
LM End	<b>3.82</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_29530\_54591.jpg



Conduits running through pipe on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	3.82	Rating **	M	Issue No.	196 (cont)	
LM End	3.82	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.258166 °		38.258166 °
				-121.593801 °		-121.593801 °
DWR ID	22317					
Comment Code						
Inspector Comment						
FS_ID:29530 DS_ID:22317 EP_NO: 17221 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Open trench along WS slope paralell to river. FIELD_STRUCT_DESC: 7-inch steel boat dock service conduit through the levee, 4 feet below the crown. 1.5-inch and 4-inch polyvinyl chloride (PVC) pipes sleeved through the 7-inch conduit. Steps on the waterside (WS) slope. Tank on the landside (LS) shoulder. Conduit provides service to the boat dock just upstream. (Plans to install 1.5-inch and 4-inch PVC pipes through the existing 8-inch steel pipe and through the LS slope, to construct a 48-foot by 21-foot boat dock supported on four steel piles, and to construct a 14-foot-wide access ramp on the LS slope authorized under Permit No. 17221, 2000 - Hart, Inc). FS Date: 2/13/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_29530\_54590.jpg



Tank on LS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	4.11	Rating **	M	Issue No.	197
LM End	4.11	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.254605 °	38.254605 °
				-121.596371 °	-121.596371 °
DWR ID	22160				
Comment Code					
Inspector Comment					
FS_ID:31583 DS_ID:22160 EP_NO: 7948 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Siphon breaker missing from LS shoulder. FIELD_STRUCT_DESC: 14-inch coated steel irrigation discharge pipe through the levee, 4.5 feet below the crown. Pipe measures 12 inches on the slopes. Slant pump and platform on the waterside (WS) slope. Siphon breaker on the landside (LS) shoulder. 36-inch concrete standpipe off the LS toe. 1.5-inch galvanized iron electrical conduit at the same location. (Plans to replace pump and pipe through the levee authorized under Permit No. 7948, 1972 - Carl E. van Loben Sels). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 21.97), referenced as invert elevation 4.2 feet below the crown]. FS Date: 2/13/2014					

Photo 1 of 2 : UCIP\_SP\_2019\_31583\_57841.jpg



36-inch concrete standpipe off LS toe.

LM Start	4.11	Rating **	M	Issue No.	197 (cont)
LM End	4.11	Issue Type +	En	Location *	

Photo 2 of 2 : UCIP\_SP\_2019\_31583\_57840.jpg



Pipe visible on WS slope with pump on pier and electrical conduit.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	4.11	Rating **	M	Issue No.	198
LM End	4.11	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.254596 °	38.254596 °
				-121.596392 °	-121.596392 °
DWR ID	22158				
Comment Code					
Inspector Comment					
FS_ID:31584 DS_ID:22158 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: 12-inch steel irrigation siphon through the levee, invert elevation 2.7 feet below the crown. Pump and tank visible in a box on the landside (LS) shoulder. Electrical panel on the LS slope with a concrete standpipe at the LS toe. [Additional Reference(s): USACE Sacramento O&M Manual 104, February 1960, (RM 21.97), 10-inch pipe referenced]. FS Date: 2/13/2014					

LM Start	<b>4.11</b>	Rating **	M	Issue No.	<b>198 (cont)</b>
LM End	<b>4.11</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_31584\_57843.jpg



Pump and tank in box on LS shoulder.

Photo 2 of 3 : UCIP\_SP\_2019\_31584\_57842.jpg



Pump and tank in box on LS shoulder with concrete standpipe visible on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	4.11	Rating **	M	Issue No.	198 (cont)
LM End	4.11	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.254596 °	38.254596 °
				-121.596392 °	-121.596392 °
DWR ID	22158				
Comment Code					
Inspector Comment					
FS_ID:31584 DS_ID:22158 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: 12-inch steel irrigation siphon through the levee, invert elevation 2.7 feet below the crown. Pump and tank visible in a box on the landside (LS) shoulder. Electrical panel on the LS slope with a concrete standpipe at the LS toe. [Additional Reference(s): USACE Sacramento O&M Manual 104, February 1960, (RM 21.97), 10-inch pipe referenced]. FS Date: 2/13/2014					

Photo 3 of 3 : UCIP\_SP\_2019\_31584\_57844.jpg



Pipe visible on WS slope.

LM Start	4.12	Rating **	U	Issue No.	71
LM End	4.12	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.254565 °	38.254565 °
				-121.596437 °	-121.596437 °
DWR ID	DWR_RD0003_01_f_2017_71				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Dense trees are blocking the view of the landward toe.					

Photo 1 of 1 : SP\_2019\_RD0003\_24\_71\_20190311\_00059.jpg



Looking east at dense vegetation next to ramp on landward slope.

\* Location  
 LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

\*\* Rating  
 A : Acceptable  
 M : Minimally Acceptable  
 U : Unacceptable  
 N : Not Inspected/Rated  
 C : Corrected  
 A/W : Acceptable but Monitor & Maintain

+ Issue Type  
 Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	4.13	Rating **	M	Issue No.	77
LM End	4.13	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.254443 °	38.254443 °
				-121.596646 °	-121.596646 °
DWR ID	DWR_RD0003_01_s_2016_77				
Comment Code					
MA : Material					
Inspector Comment					
Landowner is storing tree stumps on the landward slope.					

Photo 1 of 1 : SP\_2019\_RD0003\_24\_77\_20190311\_00068.jpg



Looking east at stumps on landward slope.



# Reclamation District No. 0003 Grand Island

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	4.38	Rating **	U	Issue No.	199 (cont)	
LM End	4.38	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.252959 °	38.252959 °	
				-121.600707 °	-121.600707 °	
DWR ID	22163					
Comment Code						
Inspector Comment						
FS_ID:53483 DS_ID:22163 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 07/20/2018 Everything appears to be the same as last time. No changes have been made. Most of the pipe still remains. Did not see any active leakage. Tape was wrapped around the pipe connections on the LS in 2016 to prevent leaking. Crossing remains "Urgent" due to the pipe integrity issues that have not been fully addressed. (DWR UCIP - A. McDonald)09/29/2017 Received updated photo from DWR levee inspector, D. Torres, and photo shows part or all of the pipe has been removed. Inspector could not verify proper abandonment. Need to coordinate with LMA and owner to determine supporting documentation to support the work completed at this site. This crossing remains urgent due to the details of the extent of the removal. No permit was found to authorizing levee work. (DWR UCIP - O. Magana) 07/06/2016 Pipe diversion off main steam on LS has tape wrapped around its connections, a possible attempt to contain past leakage. Did not see active leakage. Slight sloughing on LS slope at diversion manifold. (DWR UCIP - kfazel)02/13/2014 Pipe disconnected or diverted on LS shoulder and leaking. Water runs down LS slope freely causing erosion. Siphon breaker not visible in CMP riser. Walkway to pump in poor structural condition. (DWR UCIP - pamatya) FIELD_STRUCT_DESC: *ABANDONED* 10-inch steel irrigation discharge pipe through the levee, 4 feet below the crown. Siphon breaker in a corrugated metal pipe (CMP) riser on the landside (LS) shoulder. Slant pump on a pile structure in the stream. Pipe exposed on the waterside (WS) berm. 36-inch concrete standpipe off the LS toe. 1.5-inch electrical conduit of an unknown material through the levee, 2 feet below the crown, at the same location. (Charlotte K. Hales). [Additional Reference(s): DWR Levee Log, 1993]. FS Date: 7/20/2018						

Photo 2 of 3 : UCIP\_SP\_2019\_53483\_54545.jpg



24-inch CMP riser for siphon breaker on LS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	4.38	Rating **	U	Issue No.	199 (cont)	
LM End	4.38	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.252959 °	38.252959 °	
				-121.600707 °	-121.600707 °	
DWR ID	22163					
Comment Code						
Inspector Comment						
FS_ID:53483 DS_ID:22163 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 07/20/2018 Everything appears to be the same as last time. No changes have been made. Most of the pipe still remains. Did not see any active leakage. Tape was wrapped around the pipe connections on the LS in 2016 to prevent leaking. Crossing remains "Urgent" due to the pipe integrity issues that have not been fully addressed. (DWR UCIP - A. McDonald)09/29/2017 Received updated photo from DWR levee inspector, D. Torres, and photo shows part or all of the pipe has been removed. Inspector could not verify proper abandonment. Need to coordinate with LMA and owner to determine supporting documentation to support the work completed at this site. This crossing remains urgent due to the details of the extent of the removal. No permit was found to authorizing levee work. (DWR UCIP - O. Magana) 07/06/2016 Pipe diversion off main steam on LS has tape wrapped around its connections, a possible attempt to contain past leakage. Did not see active leakage. Slight sloughing on LS slope at diversion manifold. (DWR UCIP - kfazel)02/13/2014 Pipe disconnected or diverted on LS shoulder and leaking. Water runs down LS slope freely causing erosion. Siphon breaker not visible in CMP riser. Walkway to pump in poor structural condition. (DWR UCIP - pamatya) FIELD_STRUCT_DESC: *ABANDONED* 10-inch steel irrigation discharge pipe through the levee, 4 feet below the crown. Siphon breaker in a corrugated metal pipe (CMP) riser on the landside (LS) shoulder. Slant pump on a pile structure in the stream. Pipe exposed on the waterside (WS) berm. 36-inch concrete standpipe off the LS toe. 1.5-inch electrical conduit of an unknown material through the levee, 2 feet below the crown, at the same location. (Charlotte K. Hales). [Additional Reference(s): DWR Levee Log, 1993]. FS Date: 7/20/2018						

Photo 3 of 3 : UCIP\_SP\_2019\_53483\_54544.jpg



Pipe diversion manifold just below siphon breaker on LS slope. Tin diverts water downslope.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	4.76	Rating **	M	Issue No.	50
LM End	4.76	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.247563 °	38.247563 °
				-121.600865 °	-121.600865 °
DWR ID	DWR_RD0003_01_s_2013_50				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Ivy is covering the lower half of the landward slope and toe.					

Photo 1 of 1 : SP\_2019\_RD0003\_24\_50\_20190311\_00031.jpg



Looking northeast at landscaping at lower half of landward slope and toe.

LM Start	4.86	Rating **	A/W	Issue No.	61	
LM End	4.87	Issue Type +	Ob	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	2017 Storm Damage			38.246000 °	38.245952 °	
				-121.601000 °	-121.600835 °	
DWR ID	DWR_RD0003_01_f_2017_61					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:62						
Site Designation:113-2039						
Repair Type: Seepage						
Rating:						
Field Date:						
Notes:						

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	4.87	Rating **	M	Issue No.	83
LM End	4.87	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.245903 °	38.245903 °
				-121.600851 °	-121.600851 °
DWR ID	DWR_RD0003_01_f_2017_83				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
The landside slope has a depression.					

Photo 1 of 1 : SP\_2019\_RD0003\_24\_83\_20190311\_00076.jpg



Looking east on landside slope.

LM Start	5.08	Rating **	C	Issue No.	81
LM End	5.08	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.242857 °	38.242857 °
				-121.600823 °	-121.600823 °
DWR ID	DWR_RD0003_01_f_2018_81				
Comment Code					
MA : Material					
Inspector Comment					
Century plant should be removed from waterside hinge.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	5.10	Rating **	M	Issue No.	200
LM End	5.10	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.242649 °	38.242649 °
				-121.600854 °	-121.600854 °
DWR ID	24837				
Comment Code					
Inspector Comment					
FS_ID:31286 DS_ID:24837 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: 1.5-inch polyvinyl chloride (PVC) irrigation pipe through the levee, 2 feet below the crown. Pump at the landside (LS) toe. Vent on the waterside (WS) shoulder. This crossing was field discovered. FS Date: 2/13/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_31286\_57295.jpg



Pipe and vent visible next to wooden walkway on WS shoulder.

LM Start	<b>5.10</b>	Rating **	M	Issue No.	<b>200 (cont)</b>
LM End	<b>5.10</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_31286\_57294.jpg



Pipe visible on LS shoulder with pump visible at LS toe in background.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	5.10	Rating **	M	Issue No.	200 (cont)	
LM End	5.10	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.242649 °	38.242649 °	
				-121.600854 °	-121.600854 °	
DWR ID	24837					
Comment Code						
Inspector Comment						
FS_ID:31286 DS_ID:24837 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: 1.5-inch polyvinyl chloride (PVC) irrigation pipe through the levee, 2 feet below the crown. Pump at the landside (LS) toe. Vent on the waterside (WS) shoulder. This crossing was field discovered. FS Date: 2/13/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_31286\_57293.jpg



Pump and shutoff valve visible at LS toe.

LM Start	5.25	Rating **	U	Issue No.	79
LM End	5.25	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.240420 °	38.240420 °
				-121.601549 °	-121.601549 °
DWR ID	DWR_RD0003_01_f_2018_79				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Large century plants are blocking the view of the landward slope.					

Photo 1 of 2 : SP\_2019\_RD0003\_24\_79\_20190311\_00072.jpg



Looking at century plants on landward slope and toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	5.25	Rating **	U	Issue No.	79 (cont)	
LM End	5.25	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.240420 °		38.240420 °
				-121.601549 °		-121.601549 °
DWR ID	DWR_RD0003_01_f_2018_79					
Comment Code						
V6 : Landscaping						
Inspector Comment						
Large century plants are blocking the view of the landward slope.						

Photo 2 of 2 : SP\_2019\_RD0003\_24\_79\_20190311\_00073.jpg



Looking at century plants on landward slope and toe.

LM Start	5.33	Rating **	M	Issue No.	43
LM End	5.36	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.239276 °	38.238852 °
				-121.601899 °	-121.602000 °
DWR ID	DWR_RD0003_01_s_2012_43				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_RD0003\_24\_43\_20190311\_00027.jpg



Looking southeast at ground cover on landward slope.

LM Start	5.46	Rating **	U	Issue No.	58
LM End	5.46	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.237515 °	38.237515 °
				-121.602225 °	-121.602225 °
DWR ID	DWR_RD0003_01_s_2017_58				
Comment Code					
TR : Tree or limb					
Inspector Comment					
A downed tree with large root ball on the landward slope is being cut up and should be removed.					

Photo 1 of 1 : SP\_2019\_RD0003\_24\_58\_20190311\_00044.jpg



Removal of large fallen tree should continue.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	5.49	Rating **	U	Issue No.	44
LM End	5.49	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.236994 °	38.236994 °
				-121.602278 °	-121.602278 °
DWR ID	DWR_RD0003_01_s_2012_44				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Large century plants are located on the landside slope.					

Photo 1 of 1 : SP\_2019\_RD0003\_24\_44\_20190311\_00028.jpg



Looking southeast at century plants on landside shoulder and slope.

LM Start	5.65	Rating **	M	Issue No.	63
LM End	5.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.234721 °	38.234721 °
				-121.601709 °	-121.601709 °
DWR ID	DWR_RD0003_01_f_2016_63				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trim the growth from the tree so that the levee slope can be seen.					

Photo 1 of 2 : SP\_2019\_RD0003\_24\_63\_20190311\_00051.jpg



View of slope where tree limb was removed. Now the extra growth on the existing branches needs to be removed (October 2018).

LM Start	<b>5.65</b>	Rating **	M	Issue No.	<b>63 (cont)</b>
LM End	<b>5.65</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2019\_RD0003\_24\_63\_20190311\_00052.jpg



Low-lying tree limb should be removed from landside slope.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	5.74	Rating **	M	Issue No.	67
LM End	5.74	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.233482 °	38.233482 °
				-121.601362 °	-121.601362 °
DWR ID	DWR_RD0003_01_s_2013_67				
Comment Code					
V6 : Landscaping					
Inspector Comment					
There is dense vegetation on the landward shoulder and slope.					

No Photos

LM Start	5.94	Rating **	M	Issue No.	201
LM End	5.94	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.230620 °	38.230620 °
				-121.601588 °	-121.601588 °
DWR ID	22171				
Comment Code					
Inspector Comment					
FS_ID:29823 DS_ID:22171 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned or in disrepair at siphon/vent on LS shoulder. FIELD_STRUCT_DESC: 12-inch steel irrigation siphon through the levee, invert elevation 4 feet below the crown. Pipe discharges into a large hole at the landside (LS) toe which is connected to irrigation ditches. Siphon and vent visible on the landside (LS) shoulder. (USACE Unit No. 10, new pipe in 1966 - W. Beck). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 20.13)]. FS Date: 2/11/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_29823\_55105.jpg



Siphon and vent on LS shoulder.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	5.94	Rating **	M	Issue No.	201 (cont)	
LM End	5.94	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.230620 °		38.230620 °
				-121.601588 °		-121.601588 °
DWR ID	22171					
Comment Code						
Inspector Comment						
FS_ID:29823						
DS_ID:22171						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe appears abandoned or in disrepair at siphon/vent on LS shoulder.						
FIELD_STRUCT_DESC: 12-inch steel irrigation siphon through the levee, invert elevation 4 feet below the crown. Pipe discharges into a large hole at the landside (LS) toe which is connected to irrigation ditches. Siphon and vent visible on the landside (LS) shoulder. (USACE Unit No. 10, new pipe in 1966 - W. Beck). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 20.13)].						
FS Date: 2/11/2014						

LM Start	<b>5.94</b>	Rating **	M	Issue No.	<b>201 (cont)</b>
LM End	<b>5.94</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_29823\_55104.jpg



Vent on LS shoulder.

Photo 3 of 3 : UCIP\_SP\_2019\_29823\_55103.jpg



Irrigation ditch filled with berries on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	5.98	Rating **	M	Issue No.	94
LM End	5.98	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.230100 °	38.230100 °
				-121.601700 °	-121.601700 °
DWR ID	DWR_RD0003_01_f_2018_94				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
There is wild growth on the waterside slope which should be removed					

No Photos

LM Start	6.23	Rating **	M	Issue No.	202	
LM End	6.23	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.226427 °	38.226427 °	
				-121.601370 °	-121.601370 °	
DWR ID	22173					
Comment Code						
Inspector Comment						
FS_ID:29403 DS_ID:22173 EP_NO: 1392 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 18-inch steel irrigation discharge pipe through the levee, invert elevation 4.5 feet below the crown. Pump removed from the pile structure in the slough. Concrete standpipe on the landside (LS) toe. Concrete plug on the waterside (WS) end. (Plans for installing a vertical unit irrigation pumping plant with an 18-inch steel pipe through the levee authorized under Permit No. 1392, 1949 - Ednora Stefani). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 19.83)]. FS Date: 2/11/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_29403\_54462.jpg



Steel pier on WS toe, pipe visible on ground directly in front of pier on slope.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	6.23	Rating **	M	Issue No.	202 (cont)	
LM End	6.23	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.226427 °	38.226427 °	
				-121.601370 °	-121.601370 °	
DWR ID	22173					
Comment Code						
Inspector Comment						
FS_ID:29403 DS_ID:22173 EP_NO: 1392 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 18-inch steel irrigation discharge pipe through the levee, invert elevation 4.5 feet below the crown. Pump removed from the pile structure in the slough. Concrete standpipe on the landside (LS) toe. Concrete plug on the waterside (WS) end. (Plans for installing a vertical unit irrigation pumping plant with an 18-inch steel pipe through the levee authorized under Permit No. 1392, 1949 - Ednora Stefani). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 19.83)]. FS Date: 2/11/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_29403\_54461.jpg



Concrete plug in abandoned pipe on WS slope.

LM Start	<b>6.23</b>	Rating **	M	Issue No.	<b>202 (cont)</b>
LM End	<b>6.23</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_29403\_54460.jpg



Pipe and concrete standpipe on LS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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# Reclamation District No. 0003 Grand Island

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	6.29	Rating **	M	Issue No.	203 (cont)	
LM End	6.29	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.225537 °		38.225537 °
				-121.601312 °		-121.601312 °
DWR ID	22175					
Comment Code						
Inspector Comment						
FS_ID:29266 DS_ID:22175 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Hole in pipe on WS slope may need to be sealed depending on nature of sliplined pipe. FIELD_STRUCT_DESC: 1 of 2: 18-inch steel irrigation siphon through the levee, invert elevation 7 feet below the crown. Primer pump in a pump house on the landside (LS) slope. Pipe has been slip lined with a high-density polyethylene (HDPE) liner. Polyvinyl chloride (PVC) pipe may be attached to the steel pipe on the LS shoulder. [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 19.77)]. FS Date: 2/11/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_29266\_54157.jpg



PVC pipe at LS shoulder.

LM Start	6.32	Rating **	M	Issue No.	84
LM End	6.62	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.225176 °	38.220769 °
				-121.601329 °	-121.601105 °
DWR ID	DWR_RD0003_01_f_2017_84				
Comment Code					
FE : Fence					
Inspector Comment					
There is a fence on the landside slope.					

Photo 1 of 1 : SP\_2019\_RD0003\_24\_84\_20190311\_00077.jpg



Looking east at fence at landside toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	6.73	Rating **	M	Issue No.	45
LM End	6.73	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.219427 °	38.219427 °
				-121.601921 °	-121.601921 °
DWR ID	DWR_RD0003_01_s_2018_45				
Comment Code					
FE : Fence					
Inspector Comment					
There is a fence on the landside slope.					

No Photos

LM Start	6.77	Rating **	M	Issue No.	85
LM End	6.85	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.218870 °	38.217905 °
				-121.602381 °	-121.603158 °
DWR ID	DWR_RD0003_01_s_2018_85				
Comment Code					
FE : Fence					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	6.85	Rating **	M	Issue No.	204
LM End	6.85	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.217886 °	38.217886 °
				-121.603132 °	-121.603132 °
DWR ID	22179				
Comment Code					
Inspector Comment					
FS_ID:29258 DS_ID:22179 EP_NO: 853 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Siphon breaker/vent needs proper installation/riser. FIELD_STRUCT_DESC: 12-inch steel irrigation siphon through the levee, invert elevation 4 feet below the crown. Siphon breaker on the landside (LS) shoulder. 36-inch concrete standpipe on the LS toe. (Plans for the installation of a 6-inch horizontal bolted centrifugal pump together with an 8-inch, 10-gauge welded steel pipe through the levee authorized under Permit No. 853, 1941 - Louis A. Bixler. Plans for installing a 12-inch steel irrigation siphon through the levee authorized under Permit No. 1462, 1950 - Vic Romanini. USACE Unit No. 10, new pipe installed in 1967). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 19.20)]. FS Date: 2/11/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_29258\_54138.jpg



Pipe visible on WS slope.

LM Start	<b>6.85</b>	Rating **	M	Issue No.	<b>204 (cont)</b>
LM End	<b>6.85</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_29258\_54137.jpg



Siphon breaker/vent visible on LS slope with concrete standpipe visible in background at toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	6.85	Rating **	M	Issue No.	204 (cont)	
LM End	6.85	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.217886 °	38.217886 °	
				-121.603132 °	-121.603132 °	
DWR ID	22179					
Comment Code						
Inspector Comment						
FS_ID:29258 DS_ID:22179 EP_NO: 853 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Siphon breaker/vent needs proper installation/riser. FIELD_STRUCT_DESC: 12-inch steel irrigation siphon through the levee, invert elevation 4 feet below the crown. Siphon breaker on the landside (LS) shoulder. 36-inch concrete standpipe on the LS toe. (Plans for the installation of a 6-inch horizontal bolted centrifugal pump together with an 8-inch, 10-gauge welded steel pipe through the levee authorized under Permit No. 853, 1941 - Louis A. Bixler. Plans for installing a 12-inch steel irrigation siphon through the levee authorized under Permit No. 1462, 1950 - Vic Romanini. USACE Unit No. 10, new pipe installed in 1967). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 19.20)]. FS Date: 2/11/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_29258\_54136.jpg



Siphon breaker/vent visible on LS slope.

LM Start	6.95	Rating **	C	Issue No.	87
LM End	6.95	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.216609 °	38.216609 °
				-121.603999 °	-121.603999 °
DWR ID	DWR_RD0003_01_s_2019_87				
Comment Code					
EQ : Equipment					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	6.99	Rating **	M	Issue No.	205
LM End	6.99	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.216040 °	38.216040 °
				-121.604289 °	-121.604289 °
DWR ID	22346				

**Comment Code**

**Inspector Comment**

FS\_ID:50428  
DS\_ID:22346  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 07/06/2016 Same as last inspection. Annular space needs to be grouted per Title 23. This crossing has been downgraded from Urgent to Non-Urgent because the hole created in the conduit sleeve was deliberate and not a sign of pipe failure. Pipe was flowing at the time of the inspection (possibly via a portable pump). (DWR UCIP - K. Fazel)02/11/2014 Pipe cut open on LS shoulder and along slope. 3.5-inch PVC pipe sleeved through with 2 vents with valves. Pipe annular space not grouted. (DWR FPIIB - G. Wylie)  
FIELD\_STRUCT\_DESC: 1 of 2: 12-inch steel irrigation siphon through the levee, invert elevation 3 feet below the crown. Siphon breaker on the landside (LS) shoulder. 3.5-inch polyvinyl chloride (PVC) pipe sleeved through the existing 12-inch pipe. (Vic Romanini). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 19.06)].  
FS Date: 7/6/2016

LM Start	<b>6.99</b>	Rating **	M	Issue No.	<b>205 (cont)</b>
LM End	<b>6.99</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_50428\_54124.jpg



Steel pipe visible on WS slope

Photo 2 of 3 : UCIP\_SP\_2019\_50428\_54123.jpg



Pipe visible on LS slope with cuts at two places.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	7.00	Rating **	M	Issue No.	206
LM End	7.00	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.216044 °	38.216044 °
				-121.604311 °	-121.604311 °
DWR ID	22180				

**Comment Code**

**Inspector Comment**

FS\_ID:50427  
DS\_ID:22180  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 07/06/2016 Same as last inspection. Annular space needs to be grouted per Title 23. This crossing has been downgraded from Urgent to Non-Urgent because the deformed nature of the pipe is not indicative of imminent failure. (DWR UCIP - K. Fazel)02/11/2014 Pipe sleeved with a PVC pipe that is crushed on the WS slope. Annular space not grouted. (DWR FPIIB - G. Wylie)  
FIELD\_STRUCT\_DESC: 2 of 2: 14-inch steel irrigation siphon through the levee, invert elevation 3.1 feet below the crown. Siphon breaker on the landside (LS) shoulder. 14-inch pipe sleeved with a smaller diameter polyvinyl chloride (PVC) pipe. (Vic Romanini). [Additional Reference(s): DWR Levee Log, 1993, referenced as 3 feet below the crown. USACE Sacramento O&M Manual 104, February 1960, (RM 19.06)].  
FS Date: 7/6/2016

LM Start	<b>7.00</b>	Rating **	M	Issue No.	<b>206 (cont)</b>
LM End	<b>7.00</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_50427\_54133.jpg



Pipe visible on WS slope, PVC pipe exposed and crushed on WS slope.

Photo 2 of 3 : UCIP\_SP\_2019\_50427\_54132.jpg



PVC pipe visible on LS slope.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	7.00	Rating **	M	Issue No.	206 (cont)	
LM End	7.00	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.216044 °	38.216044 °	
				-121.604311 °	-121.604311 °	
DWR ID	22180					
Comment Code						
Inspector Comment						
FS_ID:50427 DS_ID:22180 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/06/2016 Same as last inspection. Annular space needs to be grouted per Title 23. This crossing has been downgraded from Urgent to Non-Urgent because the deformed nature of the pipe is not indicative of imminent failure. (DWR UCIP - K. Fazel)02/11/2014 Pipe sleeved with a PVC pipe that is crushed on the WS slope. Annular space not grouted. (DWR FPIIB - G. Wylie) FIELD_STRUCT_DESC: 2 of 2: 14-inch steel irrigation siphon through the levee, invert elevation 3.1 feet below the crown. Siphon breaker on the landside (LS) shoulder. 14-inch pipe sleeved with a smaller diameter polyvinyl chloride (PVC) pipe. (Vic Romanini). [Additional Reference(s): DWR Levee Log, 1993, referenced as 3 feet below the crown. USACE Sacramento O&M Manual 104, February 1960, (RM 19.06)]. FS Date: 7/6/2016						

Photo 3 of 3 : UCIP\_SP\_2019\_50427\_54131.jpg



Siphon breaker on PVC pipe on LS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	7.10	Rating **	M	Issue No.	207
LM End	7.10	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.214684 °	38.214684 °
				-121.605242 °	-121.605242 °
DWR ID	22181				
Comment Code					
Inspector Comment					
FS_ID:29924 DS_ID:22181 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and should be verified as having been done so properly. FIELD_STRUCT_DESC: 12-inch steel irrigation siphon through the levee, invert elevation 3 feet below the crown. Siphon breaker in a 24-inch corrugated metal pipe (CMP) riser on the landside (LS) shoulder. 4-foot concrete standpipe at the LS toe. (Vic Romanini). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 18.89)]. FS Date: 2/11/2014					

Photo 1 of 2 : UCIP\_SP\_2019\_29924\_55248.jpg



Siphon breaker in CMP riser on LS shoulder.

LM Start	<b>7.10</b>	Rating **	M	Issue No.	<b>207 (cont)</b>
LM End	<b>7.10</b>	Issue Type +	En	Location *	

Photo 2 of 2 : UCIP\_SP\_2019\_29924\_55247.jpg



Concrete standpipe on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	7.44	Rating **	M	Issue No.	89
LM End	7.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.210200 °	38.210200 °
				-121.607809 °	-121.607809 °
DWR ID	DWR_RD0003_01_s_2018_89				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
The low leaning tree on the waterside is beginning to inhibit inspection and access. It should be removed.					

Photo 1 of 1 : SP\_2019\_RD0003\_24\_89\_20190403\_00173.jpg



View looking downstream at fallen tree on the waterside slope (Spring 2019).

LM Start	7.61	Rating **	U	Issue No.	90
LM End	7.63	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.208017 °	38.207700 °
				-121.609185 °	-121.609342 °
DWR ID	DWR_RD0003_01_s_2018_90				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Landside landscaping inhibits the inspection and access.					

Photo 1 of 1 : SP\_2019\_RD0003\_24\_90\_20190311\_00080.jpg



View of landscaping on the landside slope.

LM Start	7.63	Rating **	U	Issue No.	74
LM End	7.63	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.207666 °	38.207666 °
				-121.609327 °	-121.609327 °
DWR ID	DWR_RD0003_01_s_2012_74				
Comment Code					
BU : Building					
Inspector Comment					
Buildings obstruct access and visibility of the levee slope and toe.					

Photo 1 of 1 : SP\_2019\_RD0003\_24\_74\_20190311\_00066.jpg



View of building on the landside slope.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	7.64	Rating **	U	Issue No.	75
LM End	7.64	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.207640 °	38.207640 °
				-121.609334 °	-121.609334 °
DWR ID	DWR_RD0003_01_s_2012_75				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_RD0003\_24\_75\_20190311\_00067.jpg



Looking southwest at landscaping in front of a house on waterside berm.  
Also not in the picture a building on landside berm.

LM Start	7.68	Rating **	M	Issue No.	76
LM End	7.68	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.207036 °	38.207036 °
				-121.609540 °	-121.609540 °
DWR ID	DWR_RD0003_01_s_2012_76				
Comment Code					
V6 : Landscaping					
Inspector Comment					

No Photos

LM Start	7.74	Rating **	M	Issue No.	91
LM End	7.76	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.206207 °	38.205813 °
				-121.609606 °	-121.609607 °
DWR ID	DWR_RD0003_01_s_2018_91				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_RD0003\_24\_91\_20190403\_00174.jpg



View looking downstream at landscape vegetation on the landside slope  
(Spring 2019).

<b>* Location</b>		<b>** Rating</b>		<b>+ Issue Type</b>	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	7.76	Rating **	M	Issue No.	208	
LM End	7.76	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.205846 °	38.205846 °	
				-121.609574 °	-121.609574 °	
DWR ID	24836					
Comment Code						
Inspector Comment						
FS_ID:31283 DS_ID:24836 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: 2.5-inch galvanized iron irrigation pipe through the levee, at an unknown depth. Pipe and spigot visible at the waterside (WS) toe. A second spigot on the landside (LS) slope. This crossing was field discovered. FS Date: 2/11/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_31283\_57282.jpg



Shutoff valve next to LS ramp

LM Start	<b>7.76</b>	Rating **	M	Issue No.	<b>208 (cont)</b>
LM End	<b>7.76</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_31283\_57281.jpg



Shutoff valve next to LS ramp

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	7.76	Rating **	M	Issue No.	208 (cont)	
LM End	7.76	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.205846 °	38.205846 °	
				-121.609574 °	-121.609574 °	
DWR ID	24836					
Comment Code						
Inspector Comment						
FS_ID:31283 DS_ID:24836 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: 2.5-inch galvanized iron irrigation pipe through the levee, at an unknown depth. Pipe and spigot visible at the waterside (WS) toe. A second spigot on the landside (LS) slope. This crossing was field discovered. FS Date: 2/11/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_31283\_57280.jpg



Pipe visible at WS toe.

LM Start	7.80	Rating **	U	Issue No.	78
LM End	8.25	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.205243 °	38.198989 °
				-121.609689 °	-121.611815 °
DWR ID	DWR_RD0003_01_s_2012_78				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Trees are within 10' of the levee toe and obstruct access and visibility of the levee toe.					

Photo 1 of 3 : SP\_2019\_RD0003\_24\_78\_20190311\_00069.jpg



Looking eastly at trees blocking view of landward toe. (Fall 2015)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	7.80	Rating **	U	Issue No.	78 (cont)	
LM End	8.25	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Encroachments			38.205243 °	38.198989 °	
				-121.609689 °	-121.611815 °	
DWR ID	DWR_RD0003_01_s_2012_78					
Comment Code						
TR : Tree or limb						
Inspector Comment						
Trees are within 10' of the levee toe and obstruct access and visibility of the levee toe.						

Photo 2 of 3 : SP\_2019\_RD0003\_24\_78\_20190311\_00070.jpg



Trees within 10' of levee toe obstruct access and visibility of levee toe.  
(Fall 2014)

LM Start	<b>7.80</b>	Rating **	U	Issue No.	<b>78 (cont)</b>
LM End	<b>8.25</b>	Issue Type +	En	Location *	LS

Photo 3 of 3 : SP\_2019\_RD0003\_24\_78\_20190311\_00071.jpg



Closely spaced trees along toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	8.13	Rating **	M	Issue No.	209
LM End	8.13	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.200683 °	38.200683 °
				-121.610851 °	-121.610851 °
DWR ID	22186				
Comment Code					
Inspector Comment					
FS_ID:29235 DS_ID:22186 EP_NO: 2225 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: CMP riser knocked over and no sign of siphon breaker. FIELD_STRUCT_DESC: 8-inch steel irrigation discharge pipe through the levee, invert elevation 3.5 feet below the crown. Service pole and siphon breaker in a corrugated metal pipe (CMP) riser on the landside (LS) slope. Pump in a pump house and a booster pump on a concrete slab on the waterside (WS) slope. (Plans to install an 8-inch irrigation pipe through the levee and an inclined pump on the WS slope authorized under Permit No. 2225, 1955 - Fay Ranch, Captain N. A. Fay, care of The River Lines, Inc. USACE Unit No. 10, new pipe installed in 1967). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (17.92)]. FS Date: 2/11/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_29235\_54053.jpg



Pipe visible on WS toe.

LM Start	<b>8.13</b>	Rating **	M	Issue No.	<b>209 (cont)</b>
LM End	<b>8.13</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_29235\_54052.jpg



Pump and gate valve visible inside pumphouse on WS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	8.13	Rating **	M	Issue No.	209 (cont)	
LM End	8.13	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.200683 °	38.200683 °	
				-121.610851 °	-121.610851 °	
DWR ID	22186					
Comment Code						
Inspector Comment						
FS_ID:29235 DS_ID:22186 EP_NO: 2225 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: CMP riser knocked over and no sign of siphon breaker. FIELD_STRUCT_DESC: 8-inch steel irrigation discharge pipe through the levee, invert elevation 3.5 feet below the crown. Service pole and siphon breaker in a corrugated metal pipe (CMP) riser on the landside (LS) slope. Pump in a pump house and a booster pump on a concrete slab on the waterside (WS) slope. (Plans to install an 8-inch irrigation pipe through the levee and an inclined pump on the WS slope authorized under Permit No. 2225, 1955 - Fay Ranch, Captain N. A. Fay, care of The River Lines, Inc. USACE Unit No. 10, new pipe installed in 1967). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (17.92)]. FS Date: 2/11/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_29235\_54051.jpg



Pump and tank on WS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	8.25	Rating **	M	Issue No.	210
LM End	8.25	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.198987 °	38.198987 °
				-121.611816 °	-121.611816 °
DWR ID	22187				
Comment Code					
Inspector Comment					
FS_ID:29233					
DS_ID:22187					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Siphon breaker and CMP riser missing from LS slope.					
FIELD_STRUCT_DESC: 12-inch steel irrigation siphon through the					
levee, invert elevation 3.5 feet below the crown. Primer pump in a pump					
house and a siphon breaker in a corrugated metal pipe (CMP) riser on					
the landside (LS) slope. 48-inch concrete standpipe at the LS toe.					
(USACE Unit No. 10, new pipe installed in 1967). [Additional					
Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M					
Manual 104, February 1960, (RM 17.79)].					
FS Date: 2/11/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_29233\_54047.jpg



Pipe visible on WS slope.

LM Start	<b>8.25</b>	Rating **	M	Issue No.	<b>210 (cont)</b>
LM End	<b>8.25</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_29233\_54046.jpg



Pipe, pumphouse, and standpipe visible on LS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	8.25	Rating **	M	Issue No.	210 (cont)	
LM End	8.25	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.198987 °	38.198987 °	
				-121.611816 °	-121.611816 °	
DWR ID	22187					
Comment Code						
Inspector Comment						
FS_ID:29233 DS_ID:22187 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Siphon breaker and CMP riser missing from LS slope. FIELD_STRUCT_DESC: 12-inch steel irrigation siphon through the levee, invert elevation 3.5 feet below the crown. Primer pump in a pump house and a siphon breaker in a corrugated metal pipe (CMP) riser on the landside (LS) slope. 48-inch concrete standpipe at the LS toe. (USACE Unit No. 10, new pipe installed in 1967). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 17.79)]. FS Date: 2/11/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_29233\_54045.jpg



Concrete standpipe on LS toe.

LM Start	8.39	Rating **	M	Issue No.	17
LM End	8.44	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.197194 °	38.196650 °
				-121.612947 °	-121.613383 °
DWR ID	DWR_RD0003_01_s_2012_17				
Comment Code					
V6 : Landscaping					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	8.77	Rating **	C	Issue No.	100
LM End	8.77	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.193813 °	38.193813 °
				-121.618135 °	-121.618135 °
DWR ID	DWR_RD0003_01_f_2018_100				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove tree on the waterside slope.					

No Photos

LM Start	8.82	Rating **	M	Issue No.	101
LM End	8.82	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.193568 °	38.193568 °
				-121.619040 °	-121.619040 °
DWR ID	DWR_RD0003_01_f_2018_101				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	8.84	Rating **	M	Issue No.	105
LM End	8.84	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.193413 °	38.193413 °
				-121.619320 °	-121.619320 °
DWR ID	DWR_RD0003_01_f_2018_105				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	8.88	Rating **	M	Issue No.	59
LM End	8.88	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.193217 °	38.193217 °
				-121.620050 °	-121.620050 °
DWR ID	DWR_RD0003_01_s_2017_59				
Comment Code					
PR : Prunings					
Inspector Comment					
Pruning pile on the landward slope needs to be removed.					

Photo 1 of 1 : SP\_2019\_RD0003\_24\_59\_20190311\_00045.jpg



Looking east at pruning piles on landward berm.

LM Start	8.92	Rating **	U	Issue No.	39
LM End	8.92	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.193000 °	38.193000 °
				-121.620700 °	-121.620700 °
DWR ID	DWR_RD0003_01_f_2018_39				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
Remove the rotting tree stump.					

Photo 1 of 1 : SP\_2019\_RD0003\_24\_39\_20190311\_00026.jpg



View of rotting tree stump on water side crown (October 2018).

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	9.12	Rating **	M	Issue No.	211
LM End	9.12	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.192292 °	38.192292 °
				-121.624395 °	-121.624395 °
DWR ID	22202				
Comment Code					
Inspector Comment					
FS_ID:29187 DS_ID:22202 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Annular space between 12 and 14-inch pipes not grouted. FIELD_STRUCT_DESC: 14-inch steel irrigation siphon through the levee, invert elevation 2.9 feet below the crown. 14-inch pipe sleeved with a 12-inch pipe. Vent and siphon breaker on the landside (LS) shoulder. Concrete distribution box and gate valve at the LS toe. [Additional Reference(s): DWR Levee Log, 1993, referenced as a 16-inch pipe sleeved with a 12-inch pipe. USACE Sacramento O&M Manual 104, February 1960, (RM 16.92), referenced as a 16-inch pipe sleeved with a 14-inch pipe]. FS Date: 2/11/2014 11:00:22 AM					

LM Start	9.12	Rating **	M	Issue No.	211 (cont)
LM End	9.12	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_29187\_53952.jpg



Pipe, siphon breaker/vent, and distribution box visible on LS.

Photo 2 of 3 : UCIP\_SP\_2019\_29187\_53951.jpg



Pipe visible on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	9.12	Rating **	M	Issue No.	211 (cont)	
LM End	9.12	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.192292 °	38.192292 °	
				-121.624395 °	-121.624395 °	
DWR ID	22202					
Comment Code						
Inspector Comment						
FS_ID:29187						
DS_ID:22202						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Annular space between 12 and 14-inch pipes not grouted.						
FIELD_STRUCT_DESC: 14-inch steel irrigation siphon through the levee, invert elevation 2.9 feet below the crown. 14-inch pipe sleeved with a 12-inch pipe. Vent and siphon breaker on the landside (LS) shoulder. Concrete distribution box and gate valve at the LS toe.						
[Additional Reference(s): DWR Levee Log, 1993, referenced as a 16-inch pipe sleeved with a 12-inch pipe. USACE Sacramento O&M Manual 104, February 1960, (RM 16.92), referenced as a 16-inch pipe sleeved with a 14-inch pipe].						
FS Date: 2/11/2014 11:00:22 AM						

Photo 3 of 3 : UCIP\_SP\_2019\_29187\_53950.jpg



Annular space not grouted between pipes.

LM Start	9.24	Rating **	C	Issue No.	93
LM End	9.31	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.192488 °	38.192820 °
				-121.626512 °	-121.627731 °
DWR ID	DWR_RD0003_01_s_2018_93				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Trees should be trimmed to at least 5 feet above the levee slope and toe to allow inspection and access.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	10.14	Rating **	M	Issue No.	95
LM End	10.14	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.188424 °	38.188424 °
				-121.641517 °	-121.641517 °
DWR ID	DWR_RD0003_01_s_2018_95				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove tree limbs from the landside slope.					

Photo 1 of 1 : SP\_2019\_RD0003\_24\_95\_20190311\_00081.jpg



View of tree limbs on landside slope (October 2018).

LM Start	10.15	Rating **	A/W	Issue No.	72
LM End	10.21	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.188431 °	38.187803 °
				-121.641703 °	-121.642478 °
DWR ID	DWR_RD0003_01_f_2017_72				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:District station 536+35 to 539+47, Sec. 16, T. 4 N. R. 3 E., M.D.M. The waterside slope experienced sloughing and erosion along approximately 312 linear feet of Steamboat Slough (Unit 1). Sloughing commences at approximately 1/4 of the way down the slope from the crown and extends to the rip rap.					
Site ID No:277					
Site Designation:LMA-103					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/26/2017					
Notes:					

Photo 1 of 3 : SP\_2019\_RD0003\_24\_72\_20190311\_00060.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	10.15	Rating **	A/W	Issue No.	72 (cont)	
LM End	10.21	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.188431 °	38.187803 °	
				-121.641703 °	-121.642478 °	
DWR ID	DWR_RD0003_01_f _ 2017_72					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:District station 536+35 to 539+47, Sec. 16, T. 4 N. R. 3 E., M.D.M. The waterside slope experienced sloughing and erosion along approximately 312 linear feet of Steamboat Slough (Unit 1). Sloughing commences at approximately 1/4 of the way down the slope from the crown and extends to the rip rap.						
Site ID No:277						
Site Designation:LMA-103						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:7/26/2017						
Notes:						

Photo 2 of 3 : SP\_2019\_RD0003\_24\_72\_20190311\_00061.jpg



Photo 3 of 3 : SP\_2019\_RD0003\_24\_72\_20190311\_00062.jpg



LM Start	<b>10.15</b>	Rating **	A/W	Issue No.	<b>72 (cont)</b>
LM End	<b>10.21</b>	Issue Type +	Ma	Location *	

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	10.18	Rating **	M	Issue No.	106
LM End	10.18	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.188097 °	38.188097 °
				-121.642000 °	-121.642000 °
DWR ID	DWR_RD0003_01_f_2018_106				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove the tree on the landside slope.					

No Photos

LM Start	10.62	Rating **	M	Issue No.	46
LM End	10.69	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.184180 °	38.183798 °
				-121.648055 °	-121.649246 °
DWR ID	DWR_RD0003_01_f_2018_46				
Comment Code					
Inspector Comment					
2017 Site ID: STM 15.5 L					
Status: Eroding					
2017 Field Notes: No observed change.					
Site History: 2016 - Large erosion pockets observed.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	10.67	Rating **	A/W	Issue No.	73
LM End	10.92	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.183810 °	38.182480 °
				-121.648780 °	-121.653150 °
DWR ID	DWR_RD0003_01 f _ 2017_73				

**Comment Code**

**Inspector Comment**

**Levee Evaluation Comments**

**Description:**

Site ID No:63

Site Designation:DWR\_RD0003\_01\_R\_2012\_03

Repair Type: Erosion

Rating:Serious

Field Date:6/8/2017

Notes: scattered erosion scarps caving into levee crown, within erosion limit crown width ranges from 15 to 30', several trees with exposed tree roots and leaning into the river.

LM Start	<b>10.67</b>	Rating **	A/W	Issue No.	<b>73 (cont)</b>
LM End	<b>10.92</b>	Issue Type +	Ma	Location *	

Photo 1 of 3 : SP\_2019\_RD0003\_24\_73\_20190311\_00063.jpg



Photo 2 of 3 : SP\_2019\_RD0003\_24\_73\_20190311\_00064.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	10.67	Rating **	A/W	Issue No.	73 (cont)	
LM End	10.92	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.183810 °	38.182480 °	
				-121.648780 °	-121.653150 °	
DWR ID	DWR_RD0003_01_f_2017_73					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:63						
Site Designation:DWR_RD0003_01_R_2012_03						
Repair Type: Erosion						
Rating:Serious						
Field Date:6/8/2017						
Notes: scattered erosion scarps caving into levee crown, within erosion limit crown width ranges from 15 to 30', several trees with exposed tree roots and leaning into the river.						

Photo 3 of 3 : SP\_2019\_RD0003\_24\_73\_20190311\_00065.jpg



LM Start	10.75	Rating **	A/W	Issue No.	96
LM End	10.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.183422 °	38.183422 °
				-121.650182 °	-121.650182 °
DWR ID	DWR_RD0003_01_s_2013_96				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Levee is extra wide in this section. Erosion is occurring outside the theoretical prism.					

Photo 1 of 2 : SP\_2019\_RD0003\_24\_96\_20190311\_00082.jpg



Looking northwest at erosion on waterward slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	10.75	Rating **	A/W	Issue No.	96 (cont)	
LM End	10.75	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.183422 °		38.183422 °
				-121.650182 °		-121.650182 °
DWR ID	DWR_RD0003_01_s_2013_96					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						
Levee is extra wide in this section. Erosion is occurring outside the theoretical prism.						

Photo 2 of 2 : SP\_2019\_RD0003\_24\_96\_20190311\_00083.jpg



Looking southwest at erosion on waterward slope.

LM Start	10.78	Rating **	A/W	Issue No.	97
LM End	10.80	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.183228 °	38.183123 °
				-121.650797 °	-121.651070 °
DWR ID	DWR_RD0003_01_s_2013_97				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Levee is extra wide in this section. Erosion is occurring outside the theoretical prism.					

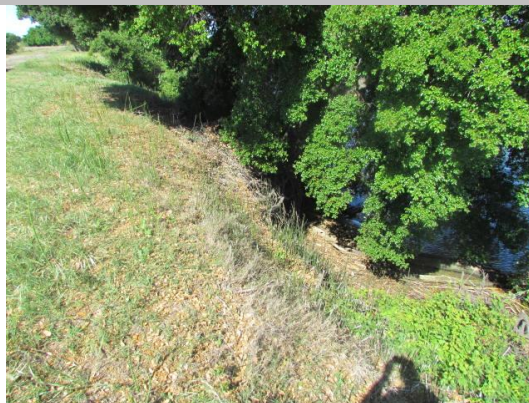
Photo 1 of 2 : SP\_2019\_RD0003\_24\_97\_20190311\_00084.jpg



Looking south at erosion on waterward slope.

LM Start	<b>10.78</b>	Rating **	A/W	Issue No.	<b>97 (cont)</b>
LM End	<b>10.80</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2019\_RD0003\_24\_97\_20190311\_00085.jpg



Looking southwest at erosion on waterward slope.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	10.83	Rating **	M	Issue No.	92
LM End	10.83	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.182957 °	38.182957 °
				-121.651585 °	-121.651585 °
DWR ID	DWR_RD0003_01_f_2017_92				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	10.83	Rating **	M	Issue No.	212
LM End	10.83	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.182982 °	38.182982 °
				-121.651610 °	-121.651610 °
DWR ID	22206				
Comment Code					
Inspector Comment					
FS_ID:29165 DS_ID:22206 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and should be verified as having been done so properly. FIELD_STRUCT_DESC: *ABANDONED* 1 of 3: 36-inch corrugated metal drainage pipe through the levee, 15 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) shoulder. Flap gate at the WS toe has been sealed shut with sealant. [Additional Reference(s): DWR Levee Log, 1993, referenced as 24 feet below the crown. USACE Sacramento O&M Manual 104, February 1960, (RM 15.20), referenced as invert elevation 24 feet below the crown]. FS Date: 2/11/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_29165\_53866.jpg



36-inch CMP drainpipe with flapgate on WS toe.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	10.83	Rating **	M	Issue No.	212 (cont)	
LM End	10.83	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.182982 °	38.182982 °	
				-121.651610 °	-121.651610 °	
DWR ID	22206					
Comment Code						
Inspector Comment						
FS_ID:29165 DS_ID:22206 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and should be verified as having been done so properly. FIELD_STRUCT_DESC: *ABANDONED* 1 of 3: 36-inch corrugated metal drainage pipe through the levee, 15 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) shoulder. Flap gate at the WS toe has been sealed shut with sealant. [Additional Reference(s): DWR Levee Log, 1993, referenced as 24 feet below the crown. USACE Sacramento O&M Manual 104, February 1960, (RM 15.20), referenced as invert elevation 24 feet below the crown]. FS Date: 2/11/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_29165\_53865.jpg



Slide gate in 48-inch CMP riser on WS shoulder.

LM Start	<b>10.83</b>	Rating **	M	Issue No.	<b>212 (cont)</b>
LM End	<b>10.83</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_29165\_53864.jpg



Steel weir on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	10.83	Rating **	M	Issue No.	213
LM End	10.83	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.182973 °	38.182973 °
				-121.651645 °	-121.651645 °
DWR ID	22349				
Comment Code					
Inspector Comment					
FS_ID:29164					
DS_ID:22349					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe appears abandoned and should be verified as having been filled with grout.					
FIELD_STRUCT_DESC: *ABANDONED* 2 of 3: 36-inch corrugated metal drainage pipe through the levee, 15 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) shoulder. Steel intake weir at the landside (LS) toe. Steel plate welded over the pipe on the WS toe. [Additional Reference(s): DWR Levee Log, 1993, referenced as 24 feet below the crown. USACE Sacramento O&M Manual 104, February 1960, (RM 15.20), referenced as invert elevation 24 feet below the crown].					
FS Date: 2/11/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_29164\_53862.jpg



Drainpipe visible on WS toe with steel plate welded over end.

LM Start	<b>10.83</b>	Rating **	M	Issue No.	<b>213 (cont)</b>
LM End	<b>10.83</b>	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_29164\_53861.jpg



48-inch CMP riser with slide gate closed on WS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	10.83	Rating **	M	Issue No.	213 (cont)	
LM End	10.83	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.182973 °	38.182973 °	
				-121.651645 °	-121.651645 °	
DWR ID	22349					
Comment Code						
Inspector Comment						
FS_ID:29164						
DS_ID:22349						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe appears abandoned and should be verified as having been filled with grout.						
FIELD_STRUCT_DESC: *ABANDONED* 2 of 3: 36-inch corrugated metal drainage pipe through the levee, 15 feet below the crown. Slide gate in a 48-inch corrugated metal pipe (CMP) riser on the waterside (WS) shoulder. Steel intake weir at the landside (LS) toe. Steel plate welded over the pipe on the WS toe. [Additional Reference(s): DWR Levee Log, 1993, referenced as 24 feet below the crown. USACE Sacramento O&M Manual 104, February 1960, (RM 15.20), referenced as invert elevation 24 feet below the crown].						
FS Date: 2/11/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_29164\_53860.jpg



Steel weir on LS toe.

LM Start	10.86	Rating **	A/W	Issue No.	98
LM End	10.89	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.182792 °	38.182672 °
				-121.652142 °	-121.652555 °
DWR ID	DWR_RD0003_01_s_2013_98				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Levee is extra wide in this section. Erosion is occurring outside the theoretical prism.					

Photo 1 of 3 : SP\_2019\_RD0003\_24\_98\_20190311\_00086.jpg



Looking north at erosion on waterward slope.

\* Location  
 LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

\*\* Rating  
 A : Acceptable  
 M : Minimally Acceptable  
 U : Unacceptable  
 N : Not Inspected/Rated  
 C : Corrected  
 A/W : Acceptable but Monitor & Maintain

+ Issue Type  
 Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	10.86	Rating **	A/W	Issue No.	98 (cont)	
LM End	10.89	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.182792 °	38.182672 °	
				-121.652142 °	-121.652555 °	
DWR ID	DWR_RD0003_01_s_2013_98					
Comment Code						
E2 : Schedule repair of erosion site prior to the next inspection.						
Inspector Comment						
Levee is extra wide in this section. Erosion is occurring outside the theoretical prism.						

Photo 2 of 3 : SP\_2019\_RD0003\_24\_98\_20190311\_00087.jpg



Looking northwest at erosion on waterward shoulder and slope.

LM Start	<b>10.86</b>	Rating **	A/W	Issue No.	<b>98 (cont)</b>
LM End	<b>10.89</b>	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : SP\_2019\_RD0003\_24\_98\_20190311\_00088.jpg



Looking west at erosion on waterward slope.

LM Start	10.91	Rating **	A/W	Issue No.	99
LM End	10.94	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.182537 °	38.182388 °
				-121.652987 °	-121.653388 °
DWR ID	DWR_RD0003_01_s_2019_99				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Levee is extra wide in this section. Erosion is occurring outside the theoretical prism.					

Photo 1 of 2 : SP\_2019\_RD0003\_24\_99\_20190311\_00089.jpg



Looking west at erosion on waterward slope.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Left Bank Steamboat Slough	Left	10.95	04/03/2019 04/03/2019	David Julian

LM Start	10.91	Rating **	A/W	Issue No.	99 (cont)
LM End	10.94	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.182537 °	38.182388 °
				-121.652987 °	-121.653388 °
DWR ID	DWR_RD0003_01_s_2019_99				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Levee is extra wide in this section. Erosion is occurring outside the theoretical prism.					

Photo 2 of 2 : SP\_2019\_RD0003\_24\_99\_20190311\_00090.jpg



Looking north at erosion on waterward shoulder and slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2019 Levee Inspection Results**

**Reclamation District No. 0003 Grand Island**

Waterway			Bank	Unit Miles
Unit No. 02 Right Bank Sacramento River			Right	17.35
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/2/2019 - 4/3/2019			
DWR Inspector	David Julian			
Accompanied By	David Robinson RD 3			

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	0.00	Rating **	M	Issue No.	193	
LM End	9.01	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation				°	38.236764 °
					°	-121.559424 °
DWR ID	DWR_RD0003_02_s_2019_193					
Comment Code						
V1 : Control annual grass and weeds on the levee slopes and easements.						
Inspector Comment						
Maintain annual vegetation.						

Photo 1 of 1 : SP\_2019\_RD0003\_25\_193\_20190404\_00337.jpg



View looking downstream at annual vegetation on the landside slope (Spring 2019).

LM Start	0.25	Rating **	M	Issue No.	205	
LM End	0.25	Issue Type +	Ma	Location *	CR	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Encroachments				o	
					o	
DWR ID	DWR_RD0003_02_s_2019_205					
Comment Code						
TR : Tree or limb						
Inspector Comment						

No Photos

LM Start	0.30	Rating **	M	Issue No.	5
LM End	0.32	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.174281 °	38.174209 °
				-121.648698 °	-121.648352 °
DWR ID	DWR_RD0003_02_s_2019_5				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
There is arundo on the waterside slope.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_5\_20190311\_00005.jpg



Looking southeast at arundo on waterward slope. (Fall 2016)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	0.31	Rating **	U	Issue No.	151
LM End	0.35	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.174235 °	38.174109 °
				-121.648479 °	-121.647870 °
DWR ID	DWR_RD0003_02_s_2016_151				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove young willows along landside toe.					

Photo 1 of 2 : SP\_2019\_RD0003\_25\_151\_20190311\_00128.jpg



Looking west at landside slope.

LM Start	<b>0.31</b>	Rating **	U	Issue No.	<b>151 (cont)</b>
LM End	<b>0.35</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2019\_RD0003\_25\_151\_20190311\_00129.jpg



Looking west at dense vegetation at landward toe.

LM Start	0.37	Rating **	M	Issue No.	206
LM End	3.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.174023 °	38.172319 °
				-121.647496 °	-121.594960 °
DWR ID	DWR_RD0003_02_s_2019_206				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	0.37	Rating **	U	Issue No.	3
LM End	0.37	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.174020 °	38.174020 °
				-121.647458 °	-121.647458 °
DWR ID	DWR_RD0003_02_f _ 2018_3				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove arundo from waterside slope.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_3\_20190311\_00004.jpg



View of arundo on waterside slope (October 2018).

LM Start	0.49	Rating **	M	Issue No.	120
LM End	0.84	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.173665 °	38.173525 °
				-121.645428 °	-121.639000 °
DWR ID	DWR_RD0003_02_f_2018_120				
Comment Code					
DT : Ditch					
Inspector Comment					
There is a ditch within 10' of the levee toe.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_120\_20190311\_00083.jpg



View looking upstream at temporary v-ditch at the edge of the landside toe (October 2018).

LM Start	1.57	Rating **	M	Issue No.	129
LM End	1.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.168700 °	38.168700 °
				-121.627233 °	-121.627233 °
DWR ID	DWR_RD0003_02_s_2017_129				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove remaining branches and stump of downed tree from the waterside slope.					

Photo 1 of 3 : SP\_2019\_RD0003\_25\_129\_20190311\_00091.jpg



View of tree limbs that have mostly been removed from waterside slope (October 2018).

<b>* Location</b>		<b>** Rating</b>		<b>+ Issue Type</b>	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	1.57	Rating **	M	Issue No.	129 (cont)	
LM End	1.57	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.168700 °		38.168700 °
				-121.627233 °		-121.627233 °
DWR ID	DWR_RD0003_02_s_2017_129					
Comment Code						
TR : Tree or limb						
Inspector Comment						
Remove remaining branches and stump of downed tree from the waterside slope.						

Photo 2 of 3 : SP\_2019\_RD0003\_25\_129\_20190311\_00092.jpg



Looking east at waterside slope.

LM Start	<b>1.57</b>	Rating **	M	Issue No.	<b>129 (cont)</b>
LM End	<b>1.57</b>	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : SP\_2019\_RD0003\_25\_129\_20190311\_00093.jpg



Looking east at fallen tree on waterward slope.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	1.66	Rating **	M	Issue No.	954
LM End	1.66	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.167983 °	38.167983 °
				-121.625702 °	-121.625702 °
DWR ID	22209				
Comment Code					
Inspector Comment					
FS_ID:31083 DS_ID:22209 EP_NO: 1647 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Sag in pavement over pipe on crown and wooden walkway to pump falling apart. Good candidate for video inspection. FIELD_STRUCT_DESC: 10-inch steel irrigation discharge pipe through the levee, invert elevation 5.8 feet below the crown. Pump on a pile structure in the channel. Service pole on the landside (LS) slope. 1.5-inch electrical conduit through the levee, 3 feet below the crown. 42-inch concrete standpipe at the LS toe. (Plans for installing a 1.5-inch electrical conduit through the levee authorized under Permit No. 1647, 1952 - Guiseppe and Emma D. Rosellini). [Additional References: DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 16.49)]. FS Date: 2/24/2014					

LM Start	<b>1.66</b>	Rating **	M	Issue No.	<b>954 (cont)</b>
LM End	<b>1.66</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_31083\_56982.jpg



Pump on pier on WS slope.

Photo 2 of 3 : UCIP\_SP\_2019\_31083\_56981.jpg



Pump on pier on WS slope. Wooden walkway failing.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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# Reclamation District No. 0003 Grand Island

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	1.67	Rating **	M	Issue No.	130 (cont)	
LM End	1.67	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.167880 °		38.167880 °
				-121.625572 °		-121.625572 °
DWR ID	DWR_RD0003_02_s_2017_130					
Comment Code						
TR : Tree or limb						
Inspector Comment						
Remove remaining stump and branches from waterside slope.						

Photo 2 of 3 : SP\_2019\_RD0003\_25\_130\_20190311\_00095.jpg



Looking south at the waterside slope.

LM Start	<b>1.67</b>	Rating **	M	Issue No.	<b>130 (cont)</b>
LM End	<b>1.67</b>	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : SP\_2019\_RD0003\_25\_130\_20190311\_00096.jpg



Looking south at fallen tree on waterward slope.

LM Start	1.88	Rating **	U	Issue No.	70
LM End	1.93	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.166525 °	38.166176 °
				-121.622201 °	-121.621332 °
DWR ID	DWR_RD0003_02_s_2012_70				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_70\_20190311\_00045.jpg



Landscaping on levee slope obstructs visibility and access.

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	1.99	Rating **	M	Issue No.	955
LM End	1.99	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.165863 °	38.165863 °
				-121.620321 °	-121.620321 °
DWR ID	22210				
Comment Code					
Inspector Comment					
FS_ID:31404 DS_ID:22210 EP_NO: 1114 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 1-inch galvanized iron communications conduit through the levee, 4 feet below the crown. This crossing was field discovered. (Plans for the installation of two poles on the levee, one on each slope, and a 1-inch conduit through the levee, between the two poles, authorized under Permit No. 1114, 1946 - Archie A. Beckley). FS Date: 2/24/2014					

No Photos

LM Start	2.01	Rating **	M	Issue No.	140
LM End	2.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.165740 °	38.165740 °
				-121.619970 °	-121.619970 °
DWR ID	DWR_RD0003_02_f_2015_140				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove pruning pile on waterside slope.					

Photo 1 of 2 : SP\_2019\_RD0003\_25\_140\_20190311\_00110.jpg



Looking south at the waterside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	2.01	Rating **	M	Issue No.	140 (cont)	
LM End	2.01	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.165740 °		38.165740 °
				-121.619970 °		-121.619970 °
DWR ID	DWR_RD0003_02_f_2015_140					
Comment Code						
PR : Prunings						
Inspector Comment						
Remove pruning pile on waterside slope.						

Photo 2 of 2 : SP\_2019\_RD0003\_25\_140\_20190311\_00111.jpg



Looking at tree branches and tree limbs on waterward shoulder and slope.

LM Start	2.39	Rating **	M	Issue No.	956	
LM End	2.39	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.164366 °	38.164366 °	
				-121.613225 °	-121.613225 °	
DWR ID	22211					
Comment Code						
Inspector Comment						
FS_ID:31026 DS_ID:22211 EP_NO: 2986 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Trench over pipe on LS toe may indicate damage to pipe. Repair pipe and fill trench. FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, 5 feet below the crown. Pump and gate valve on the waterside (WS) slope. 42-inch concrete standpipe at the landside (LS) toe. 1.5-inch steel electrical conduit through the levee at the same location. (Plans for installation of a pumping plant on the levee authorized under Permit No. 2986, 1959 - Ike Craven). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 17.25), referenced as invert elevation 4 feet below the crown]. FS Date: 2/24/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_31026\_56909.jpg



Pump, pipe, gate valve, and electrical conduit visible on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	2.39	Rating **	M	Issue No.	956 (cont)	
LM End	2.39	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.164366 °	38.164366 °	
				-121.613225 °	-121.613225 °	
DWR ID	22211					
Comment Code						
Inspector Comment						
FS_ID:31026						
DS_ID:22211						
EP_NO: 2986						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Trench over pipe on LS toe may indicate damage to pipe. Repair pipe and fill trench.						
FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, 5 feet below the crown. Pump and gate valve on the waterside (WS) slope. 42-inch concrete standpipe at the landside (LS) toe. 1.5-inch steel electrical conduit through the levee at the same location. (Plans for installation of a pumping plant on the levee authorized under Permit No. 2986, 1959 - Ike Craven). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 17.25), referenced as invert elevation 4 feet below the crown].						
FS Date: 2/24/2014						

LM Start	<b>2.39</b>	Rating **	M	Issue No.	<b>956 (cont)</b>
LM End	<b>2.39</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_31026\_56908.jpg



Pipe, meter, power pole, and concrete standpipe visible on LS slope/toe.

Photo 3 of 3 : UCIP\_SP\_2019\_31026\_56907.jpg



Trench excavated over pipe at Standpipe/LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	2.44	Rating **	M	Issue No.	30
LM End	2.44	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.164379 °	38.164379 °
				-121.612455 °	-121.612455 °
DWR ID	DWR_RD0003_02_f_2013_30				
Comment Code					
V6 : Landscaping					
Inspector Comment					
There is a cactus at the landside toe and berm.					

Photo 1 of 2 : SP\_2019\_RD0003\_25\_30\_20190311\_00024.jpg



Looking north at the landside slope.

LM Start	<b>2.44</b>	Rating **	M	Issue No.	<b>30 (cont)</b>
LM End	<b>2.44</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP\_2019\_RD0003\_25\_30\_20190311\_00025.jpg



Looking northeast at cactus and untrimmed trees at landward toe.

LM Start	2.68	Rating **	C	Issue No.	131
LM End	2.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.164652 °	38.164765 °
				-121.607927 °	-121.607212 °
DWR ID	DWR_RD0003_02_s_2017_131				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	2.70	Rating **	M	Issue No.	957
LM End	2.70	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.164672 °	38.164672 °
				-121.607607 °	-121.607607 °
DWR ID	22212				
Comment Code					
Inspector Comment					
FS_ID:31025 DS_ID:22212 EP_NO: 1289 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 6-inch steel irrigation discharge pipe through the levee, invert elevation 4.5 feet below the crown. Pump and gate valve on the waterside (WS) slope. Service pole on the landside (LS) with a 1.5-inch electrical conduit through the levee at the same location. (Plans for installing an irrigation pumping plant and a 6-inch steel pipe through the levee authorized under Permit No. 1289, 1948 - Carlos Silva). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 17.56)]. FS Date: 2/24/2014					

LM Start	<b>2.70</b>	Rating **	M	Issue No.	<b>957 (cont)</b>
LM End	<b>2.70</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_31025\_56906.jpg



Pipe, pump, and gate valve on WS slope.

Photo 2 of 3 : UCIP\_SP\_2019\_31025\_56905.jpg



Pump and gate valve on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	2.70	Rating **	M	Issue No.	957 (cont)	
LM End	2.70	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.164672 °	38.164672 °	
				-121.607607 °	-121.607607 °	
DWR ID	22212					
Comment Code						
Inspector Comment						
FS_ID:31025 DS_ID:22212 EP_NO: 1289 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 6-inch steel irrigation discharge pipe through the levee, invert elevation 4.5 feet below the crown. Pump and gate valve on the waterside (WS) slope. Service pole on the landside (LS) with a 1.5-inch electrical conduit through the levee at the same location. (Plans for installing an irrigation pumping plant and a 6-inch steel pipe through the levee authorized under Permit No. 1289, 1948 - Carlos Silva). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 17.56)]. FS Date: 2/24/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_31025\_56904.jpg



Pipe on LS slope.

LM Start	2.80	Rating **	M	Issue No.	96
LM End	2.80	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.164945 °	38.164945 °
				-121.605874 °	-121.605874 °
DWR ID	DWR_RD0003_02_f_2013_96				
Comment Code					
PR : Prunings					
Inspector Comment					
There are pruning piles at the landside toe.					

Photo 1 of 2 : SP\_2019\_RD0003\_25\_96\_20190311\_00072.jpg



Looking north at the landside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	2.80	Rating **	M	Issue No.	96 (cont)	
LM End	2.80	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Encroachments			38.164945 °	38.164945 °	
				-121.605874 °	-121.605874 °	
DWR ID	DWR_RD0003_02_f_2013_96					
Comment Code						
PR : Prunings						
Inspector Comment						
There are pruning piles at the landside toe.						

Photo 2 of 2 : SP\_2019\_RD0003\_25\_96\_20190311\_00073.jpg



Looking west at pruning piles on landward toe.

LM Start	3.20	Rating **	M	Issue No.	7
LM End	3.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.167808 °	38.167808 °
				-121.599557 °	-121.599557 °
DWR ID	DWR_RD0003_02_s_2012_7				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
There is dense vegetation on the landside slope and toe.					

Photo 1 of 2 : SP\_2019\_RD0003\_25\_7\_20190311\_00007.jpg



Looking northwest at the landside slope.

LM Start	<b>3.20</b>	Rating **	M	Issue No.	<b>7 (cont)</b>
LM End	<b>3.20</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2019\_RD0003\_25\_7\_20190311\_00008.jpg



Looking north at fig tree at landward toe.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	3.30	Rating **	M	Issue No.	958	
LM End	3.30	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.168754 °		38.168754 °
				-121.598196 °		-121.598196 °
DWR ID	22217					
Comment Code						
Inspector Comment						
FS_ID:30983						
DS_ID:22217						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe appears abandoned and if so should be done so properly.						
FIELD_STRUCT_DESC: 6-inch steel irrigation discharge pipe through the levee, invert elevation 3.5 feet below the crown. Pump and gate valve on a concrete pad on the waterside (WS) slope. Meter pole at the landside (LS) toe with a 1.5-inch electrical conduit through the levee at the same location. (Lillie). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 18.17)].						
FS Date: 2/24/2014						

LM Start	<b>3.30</b>	Rating **	M	Issue No.	<b>958 (cont)</b>
LM End	<b>3.30</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_30983\_56877.jpg



Pump on concrete platform on WS slope.

Photo 2 of 3 : UCIP\_SP\_2019\_30983\_56876.jpg



Pipe visible at LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	3.30	Rating **	M	Issue No.	958 (cont)	
LM End	3.30	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.168754 °	38.168754 °	
				-121.598196 °	-121.598196 °	
DWR ID	22217					
Comment Code						
Inspector Comment						
FS_ID:30983						
DS_ID:22217						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe appears abandoned and if so should be done so properly.						
FIELD_STRUCT_DESC: 6-inch steel irrigation discharge pipe through the levee, invert elevation 3.5 feet below the crown. Pump and gate valve on a concrete pad on the waterside (WS) slope. Meter pole at the landside (LS) toe with a 1.5-inch electrical conduit through the levee at the same location. (Lillie). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 18.17)].						
FS Date: 2/24/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_30983\_56875.jpg



Meter on powerpole on LS toe.

LM Start	3.30	Rating **	U	Issue No.	154
LM End	3.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.168750 °	38.168750 °
				-121.598152 °	-121.598152 °
DWR ID	DWR_RD0003_02_f_2017_154				
Comment Code					
TR : Tree or limb					
Inspector Comment					
There is a downed tree on the landside slope.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_154\_20190311\_00134.jpg



Looking northwest at the landside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	3.33	Rating **	M	Issue No.	46
LM End	3.33	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.169061 °	38.169061 °
				-121.597765 °	-121.597765 °
DWR ID	DWR_RD0003_02_s_2012_46				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Iceplant and trees are blocking the view of the landside slope.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_46\_20190311\_00033.jpg



Looking northeast at landscaping blocking view of landward slope.

LM Start	3.40	Rating **	M	Issue No.	179
LM End	3.40	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.169861 °	38.169861 °
				-121.596926 °	-121.596926 °
DWR ID	DWR_RD0003_02_s_2018_179				
Comment Code					
TR : Tree or limb					
Inspector Comment					
There is a fallen tree on the landside slope.					

No Photos

LM Start	3.44	Rating **	M	Issue No.	180
LM End	3.44	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.170293 °	38.170293 °
				-121.596497 °	-121.596497 °
DWR ID	DWR_RD0003_02_s_2018_180				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Fallen tree at landside toe blocks access.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_180\_20190311\_00149.jpg



Fallen tree at landside toe should be removed.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	3.47	Rating **	M	Issue No.	181
LM End	3.47	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.170682 °	38.170682 °
				-121.596151 °	-121.596151 °
DWR ID	DWR_RD0003_02_s_2018_181				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Large low palm tree inhibits inspection and access to landside toe.					

No Photos

LM Start	3.77	Rating **	M	Issue No.	959	
LM End	3.77	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.174448 °	38.174448 °	
				-121.593385 °	-121.593385 °	
DWR ID	22221					
Comment Code						
Inspector Comment						
FS_ID:30963 DS_ID:22221 EP_NO: 1283 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Permit for 12-inch pipe and pump on pier. Unable to identify permit for 6-inch pipe. FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, invert elevation 6 feet below the crown. Pump, shutoff valve, power pole, and vent at the landside (LS) toe. 6-inch steel pipe appears to be sleeved through the 12-inch pipe. 1.5-inch steel electrical conduit at the same location. (Plans for installing a pumping plant and a 12-inch pipe through the levee authorized under Permit No. 1283, 1948 - Manuel E. and Frank E. Silva). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 18.66)]. FS Date: 2/24/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_30963\_56862.jpg



Pump, shutoff, power pole, and vent on LS toe.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	3.77	Rating **	M	Issue No.	959 (cont)	
LM End	3.77	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.174448 °	38.174448 °	
				-121.593385 °	-121.593385 °	
DWR ID	22221					
Comment Code						
Inspector Comment						
FS_ID:30963 DS_ID:22221 EP_NO: 1283 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Permit for 12-inch pipe and pump on pier. Unable to identify permit for 6-inch pipe. FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, invert elevation 6 feet below the crown. Pump, shutoff valve, power pole, and vent at the landside (LS) toe. 6-inch steel pipe appears to be sleeved through the 12-inch pipe. 1.5-inch steel electrical conduit at the same location. (Plans for installing a pumping plant and a 12-inch pipe through the levee authorized under Permit No. 1283, 1948 - Manuel E. and Frank E. Silva). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 18.66)]. FS Date: 2/24/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_30963\_56861.jpg



Pipe visible to right of walkway on LS slope and in water.

LM Start	<b>3.77</b>	Rating **	M	Issue No.	<b>959 (cont)</b>
LM End	<b>3.77</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_30963\_56860.jpg



Pipe visible to right of walkway on LS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

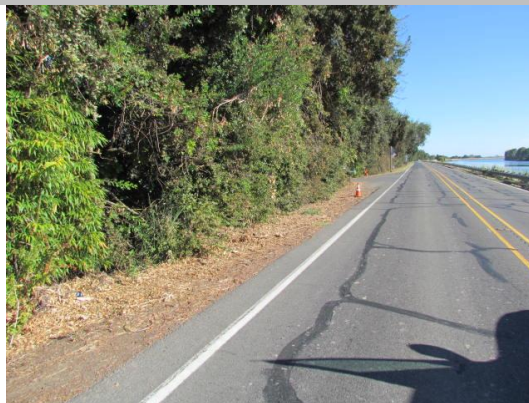
**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	3.77	Rating **	U	Issue No.	953
LM End	3.87	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.174497 °	38.175675 °
				-121.593392 °	-121.592595 °
DWR ID	DWR_RD0003_02_s_2012_953				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_953\_20190311\_00162.jpg



Looking northwest at dense trees on landward shoulder and slope.

LM Start	3.78	Rating **	U	Issue No.	200
LM End	3.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.174550 °	38.174550 °
				-121.593345 °	-121.593345 °
DWR ID	DWR_RD0003_02_f_2018_200				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the new arundo growth.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_200\_20190311\_00157.jpg



View of new arundo growth on the landside slope (October 2018).

LM Start	4.11	Rating **	C	Issue No.	145
LM End	4.11	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.178779 °	38.178779 °
				-121.590425 °	-121.590425 °
DWR ID	DWR_RD0003_02_f_2015_145				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					
Century plants on waterside shoulder and slope have been chopped back.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	4.11	Rating **	U	Issue No.	143
LM End	4.11	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.178782 °	38.178782 °
				-121.590418 °	-121.590418 °
DWR ID	DWR_RD0003_02_f_2015_143				
Comment Code					
V7 : Trees / Woody Vegetation					
Inspector Comment					
There are large century plants on the landside shoulder and slope.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_143\_20190311\_00115.jpg



Looking north at century plants on landward shoulder and slope.

LM Start	4.14	Rating **	M	Issue No.	48
LM End	4.14	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.179160 °	38.179160 °
				-121.590247 °	-121.590247 °
DWR ID	DWR_RD0003_02_f_2018_48				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_48\_20190311\_00034.jpg



Looking southwest at dense trees on landward slope.

LM Start	4.25	Rating **	U	Issue No.	92
LM End	4.33	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.180483 °	38.181540 °
				-121.589119 °	-121.588348 °
DWR ID	DWR_RD0003_02_s_2012_92				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Ground cover, palm tree and other vegetation blocking view of landside slope and toe.					

Photo 1 of 2 : SP\_2019\_RD0003\_25\_92\_20190311\_00069.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	4.25	Rating **	U	Issue No.	92 (cont)	
LM End	4.33	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.180483 °		38.181540 °
				-121.589119 °		-121.588348 °
DWR ID	DWR_RD0003_02_s_2012_92					
Comment Code						
V6 : Landscaping						
Inspector Comment						
Ground cover, palm tree and other vegetation blocking view of landside slope and toe.						

Photo 2 of 2 : SP\_2019\_RD0003\_25\_92\_20190311\_00070.jpg



Looking south at groundcover and other vegetation on landward slope.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	4.40	Rating **	M	Issue No.	960
LM End	4.40	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.182261 °	38.182261 °
				-121.587652 °	-121.587652 °
DWR ID	22224				

**Comment Code**

**Inspector Comment**

FS\_ID:53484  
DS\_ID:22224  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 07/20/2018 Everything appears to be the same as last time. Up and over pipe: low flood risk during high water. No integrity issues. Crossing downgraded to "Non-Urgent" because of the conditions listed above. (A. McDonald - DWR UCIP)07/06/2016 Same as last inspection. Open pipe on WS may be partially plugged. Unclear whether open pipe beneath pump platform connects to pump and crossing that rest above platform or if they are two separate crossings. If they are connected, positive closure device on pump may prevent backflow. Appears abandoned. (DWR UCIP - K. Fazel)02/24/2014 Pipe open on WS toe-visible under pump at WS toe. Pipe abandoned and should be done so properly. (DWR UCIP - G. Wylie)  
FIELD\_STRUCT\_DESC: \*ABANDONED\* 6-inch steel irrigation discharge pipe through the levee, 5.4 feet below the crown. Pipe visible beneath a pump platform on the waterside (WS). Another larger steel pipe (DSID 22223) visible through the WS slope and connected to a centrifugal pump with a closure valve resting over a platform on the WS. 2-inch electrical conduit through the levee at the same location leads to service pole on the landside (LS). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960 (RM 19.39)]. Levee Log mentions the 6-inch pipe is plugged and cut off.  
FS Date: 7/20/2018

LM Start	<b>4.40</b>	Rating **	M	Issue No.	<b>960 (cont)</b>
LM End	<b>4.40</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_53484\_56825.jpg



Approximate location of pipe on LS toe.

Photo 2 of 3 : UCIP\_SP\_2019\_53484\_56824.jpg



Pipe visible under pump on WS slope.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	4.40	Rating **	M	Issue No.	960 (cont)
LM End	4.40	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.182261 °	38.182261 °
				-121.587652 °	-121.587652 °
DWR ID	22224				

**Comment Code**

**Inspector Comment**

FS\_ID:53484  
DS\_ID:22224  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 07/20/2018 Everything appears to be the same as last time. Up and over pipe: low flood risk during high water. No integrity issues. Crossing downgraded to "Non-Urgent" because of the conditions listed above. (A. McDonald - DWR UCIP)07/06/2016 Same as last inspection. Open pipe on WS may be partially plugged. Unclear whether open pipe beneath pump platform connects to pump and crossing that rest above platform or if they are two separate crossings. If they are connected, positive closure device on pump may prevent backflow. Appears abandoned. (DWR UCIP - K. Fazel)02/24/2014 Pipe open on WS toe-visible under pump at WS toe. Pipe abandoned and should be done so properly. (DWR UCIP - G. Wylie)  
FIELD\_STRUCT\_DESC: \*ABANDONED\* 6-inch steel irrigation discharge pipe through the levee, 5.4 feet below the crown. Pipe visible beneath a pump platform on the waterside (WS). Another larger steel pipe (DSID 22223) visible through the WS slope and connected to a centrifugal pump with a closure valve resting over a platform on the WS. 2-inch electrical conduit through the levee at the same location leads to service pole on the landside (LS). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960 (RM 19.39)]. Levee Log mentions the 6-inch pipe is plugged and cut off.  
FS Date: 7/20/2018

Photo 3 of 3 : UCIP\_SP\_2019\_53484\_75547.jpg



LS view; standpipe and power pole off LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	4.63	Rating **	U	Issue No.	199
LM End	4.66	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.185122 °	38.185430 °
				-121.585165 °	-121.584835 °
DWR ID	DWR_RD0003_02_f_2018_199				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_199\_20190311\_00156.jpg



View looking downstream at landscaping on the landside slope (October 2018).

LM Start	4.65	Rating **	U	Issue No.	97
LM End	4.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.185317 °	38.185317 °
				-121.584870 °	-121.584870 °
DWR ID	DWR_RD0003_02_s_2017_97				
Comment Code					
TR : Tree or limb					
Inspector Comment					
There is a fallen tree on the landside slope.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_97\_20190311\_00074.jpg



Looking west at fallen tree on landward slope.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	4.74	Rating **	M	Issue No.	961
LM End	4.74	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.186292 °	38.186292 °
				-121.583945 °	-121.583945 °
DWR ID	22227				
Comment Code					
Inspector Comment					
FS_ID:30903 DS_ID:22227 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to verify type of abandonment. Does not appear to have been abandoned properly. FIELD_STRUCT_DESC: *ABANDONED* 5-inch steel gravity irrigation pipe through the levee, invert elevation 3.4 feet below the crown. (J. del Costello). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 19.63)]. FS Date: 2/24/2014					

Photo 1 of 2 : UCIP\_SP\_2019\_30903\_56801.jpg



Pipe visible at WS toe.

LM Start	<b>4.74</b>	Rating **	M	Issue No.	<b>961 (cont)</b>
LM End	<b>4.74</b>	Issue Type +	En	Location *	

Photo 2 of 2 : UCIP\_SP\_2019\_30903\_56800.jpg



Swale off LS toe likely along same alignment as pipe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	4.86	Rating **	A/W	Issue No.	127
LM End	4.87	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.187528 °	38.187781 °
				-121.582394 °	-121.582331 °
DWR ID	DWR_RD0003_02_f_2017_127				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:District station 256+60 to 257+96, Sec. 19, T. 4 N. R. 4 E., M.D.M. Approximately 136 linear feet erosion and sloughing exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/4 of the way down the slope from the crown and extends to the rip rap.					
Site ID No:278					
Site Designation:LMA-104					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/26/2017					
Notes:					

Photo 1 of 3 : SP\_2019\_RD0003\_25\_127\_20190311\_00087.jpg



Photo 2 of 3 : SP\_2019\_RD0003\_25\_127\_20190311\_00088.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	4.86	Rating **	A/W	Issue No.	127 (cont)	
LM End	4.87	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.187528 °	38.187781 °	
				-121.582394 °	-121.582331 °	
DWR ID	DWR_RD0003_02_f_2017_127					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description: District station 256+60 to 257+96, Sec. 19, T. 4 N. R. 4 E., M.D.M. Approximately 136 linear feet erosion and sloughing exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/4 of the way down the slope from the crown and extends to the rip rap.						
Site ID No: 278						
Site Designation: LMA-104						
Repair Type: Erosion						
Rating: Area of Concern						
Field Date: 7/26/2017						
Notes:						

Photo 3 of 3 : SP\_2019\_RD0003\_25\_127\_20190311\_00089.jpg



LM Start	4.94	Rating **	M	Issue No.	14
LM End	4.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.188344 °	38.188748 °
				-121.581414 °	-121.580743 °
DWR ID	DWR_RD0003_02_s_2012_14				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
There are untrimmed trees on the landside slope and toe.					

Photo 1 of 2 : SP\_2019\_RD0003\_25\_14\_20190311\_00016.jpg



Looking northeast at dense vegetation on landward shoulder and slope.  
(Fall 2016)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	4.94	Rating **	M	Issue No.	14 (cont)	
LM End	4.98	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Trim / Thin Trees			38.188344 °		38.188748 °
				-121.581414 °		-121.580743 °
DWR ID	DWR_RD0003_02_s_2012_14					
Comment Code						
T1 : Trim trees to at least five feet above ground level.						
Inspector Comment						
There are untrimmed trees on the landside slope and toe.						

Photo 2 of 2 : SP\_2019\_RD0003\_25\_14\_20190311\_00017.jpg



Looking southwest at untrimmed trees on landward toe. (Spring 2016)

LM Start	4.94	Rating **	A/W	Issue No.	194
LM End	4.94	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.188248 °	-121.581225 °
				38.188248 °	-121.581225 °
DWR ID	DWR_RD0003_02_s_2019_194				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Rip rap is not as visibile at this location. Inspect location when vegetation is less dense in the fall.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_194\_20190404\_000317.jpg



View looking downslope at potential erosion on the waterside slope (Spring 2019).

LM Start	5.03	Rating **	M	Issue No.	56
LM End	5.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.189227 °	38.189227 °
				-121.579983 °	-121.579983 °
DWR ID	DWR_RD0003_02_f_2018_56				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove tree limbs on landside slope.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_56\_20190311\_00039.jpg



View of tree limbs on the landside slope (October 2018).

\* Location  
LS : Land Side N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable N : Not Inspected/Rated  
M : Minimally Acceptable C : Corrected  
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	5.35	Rating **	M	Issue No.	76
LM End	5.35	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.191392 °	38.191392 °
				-121.574832 °	-121.574832 °
DWR ID	DWR_RD0003_02_s_2013_76				
Comment Code					
MA : Material					
Inspector Comment					
There is concrete rubble on the landside slope.					

Photo 1 of 2 : SP\_2019\_RD0003\_25\_76\_20190311\_00050.jpg



Looking northwest at concrete rubble on landward slope.

LM Start	<b>5.35</b>	Rating **	M	Issue No.	<b>76 (cont)</b>
LM End	<b>5.35</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP\_2019\_RD0003\_25\_76\_20190311\_00051.jpg



**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	<b>5.47</b>	Rating **	M	Issue No.	<b>962</b>
LM End	<b>5.47</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.192027 °	38.192027 °	
			-121.572888 °	-121.572888 °	

DWR ID 22231

Comment Code

Inspector Comment

FS\_ID:41643

DS\_ID:22231

EP\_NO: 1311

Repair Type: Non-Urgent

Crossing Status: Found

UCIP Comments: Appears abandoned and if so should be done so properly. Walkway and pier falling apart.

FIELD\_STRUCT\_DESC: 12-inch steel irrigation discharge pipe through the levee, invert elevation 7.8 feet below the crown. Pump on a pile structure in the river. 42-inch concrete standpipe and a meter pole at the landside (LS) toe. The 12-inch pipe appears to be sleeved with a 10-inch pipe, as it measures 10 inches on both slopes. 1.5-inch electrical conduit through the levee at the same location. (Plans for installing three pipes through the levee authorized under Permit No. 1311, 1948 - Joe Lopes). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 20.37)].

FS Date: 2/24/2014

LM Start	<b>5.47</b>	Rating **	M	Issue No.	<b>962 (cont)</b>
LM End	<b>5.47</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_41643\_56793.jpg



Pump on structurally failing pier/walkway on WS toe.

Photo 2 of 3 : UCIP\_SP\_2019\_41643\_56792.jpg



Pump on pier at WS toe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	5.47	Rating **	M	Issue No.	962 (cont)	
LM End	5.47	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.192027 °		38.192027 °
				-121.572888 °		-121.572888 °
DWR ID	22231					
Comment Code						
Inspector Comment						
FS_ID:41643 DS_ID:22231 EP_NO: 1311 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly. Walkway and pier falling apart. FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, invert elevation 7.8 feet below the crown. Pump on a pile structure in the river. 42-inch concrete standpipe and a meter pole at the landside (LS) toe. The 12-inch pipe appears to be sleeved with a 10-inch pipe, as it measures 10 inches on both slopes. 1.5-inch electrical conduit through the levee at the same location. (Plans for installing three pipes through the levee authorized under Permit No. 1311, 1948 - Joe Lopes). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 20.37)]. FS Date: 2/24/2014						

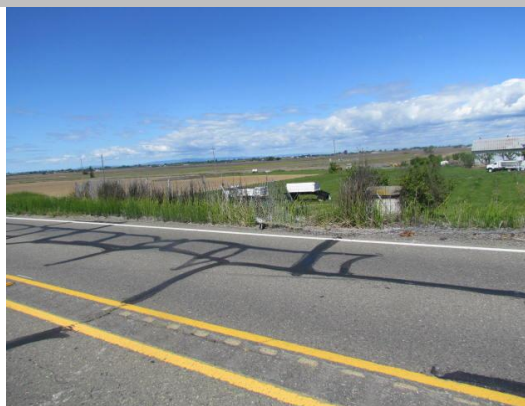
Photo 3 of 3 : UCIP\_SP\_2019\_41643\_56791.jpg



Siphon breaker on WS shoulder.

LM Start	5.53	Rating **	M	Issue No.	21
LM End	5.56	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.192358 °	38.192458 °
				-121.571742 °	-121.571320 °
DWR ID	DWR_RD0003_02_s_2012_21				
Comment Code					
FE : Fence					
Inspector Comment					
There is a fence on the landside shoulder.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_21\_20190311\_00022.jpg



Looking west at cyclone fence on landward shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	5.57	Rating **	M	Issue No.	161
LM End	5.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.192528 °	38.192528 °
				-121.571192 °	-121.571192 °
DWR ID	DWR_RD0003_02_f_2017_161				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
There is a cactus on the waterside slope.					

No Photos

LM Start	5.59	Rating **	M	Issue No.	963
LM End	5.59	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.192581 °	38.192581 °
				-121.570807 °	-121.570807 °
DWR ID	22233				
Comment Code					
Inspector Comment					
FS_ID:40542 DS_ID:22233 EP_NO: 1311 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Systed appears abandoned and if so, should be done so properly. FIELD_STRUCT_DESC: 2-inch galvanized iron domestic water line through the levee, 4 feet below the crown. Hand pump and pump on the waterside (WS) slope. Tank on the landside (LS) shoulder. (Plans for installing three pipes through the levee authorized under Permit No. 1311, 1948 - Joe Lopes). [Additional Reference(s): DWR Levee Log, 1993]. FS Date: 2/24/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_40542\_56797.jpg



Tank on LS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	5.59	Rating **	M	Issue No.	963 (cont)	
LM End	5.59	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.192581 °		38.192581 °
				-121.570807 °		-121.570807 °
DWR ID	22233					
Comment Code						
Inspector Comment						
FS_ID:40542 DS_ID:22233 EP_NO: 1311 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Systed appears abandoned and if so, should be done so properly. FIELD_STRUCT_DESC: 2-inch galvanized iron domestic water line through the levee, 4 feet below the crown. Hand pump and pump on the waterside (WS) slope. Tank on the landside (LS) shoulder. (Plans for installing three pipes through the levee authorized under Permit No. 1311, 1948 - Joe Lopes). [Additional Reference(s): DWR Levee Log, 1993]. FS Date: 2/24/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_40542\_56796.jpg



Valve next to tank on LS shoulder.

LM Start	<b>5.59</b>	Rating **	M	Issue No.	<b>963 (cont)</b>
LM End	<b>5.59</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_40542\_56795.jpg



Hand pump and electric pump on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	5.81	Rating **	U	Issue No.	11
LM End	5.86	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.193552 °	38.193832 °
				-121.566933 °	-121.565995 °
DWR ID	DWR_RD0003_02_s_2012_11				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 2 : SP\_2019\_RD0003\_25\_11\_20190311\_00011.jpg



Landscaping on levee slope and toe obstructs access and visibility.

LM Start	<b>5.81</b>	Rating **	U	Issue No.	<b>11 (cont)</b>
LM End	<b>5.86</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP\_2019\_RD0003\_25\_11\_20190311\_00012.jpg



Oleander on landside shoulder blocking view of levee slope from LM 5.81 to 5.86

LM Start	5.98	Rating **	M	Issue No.	54
LM End	6.08	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.194705 °	38.195586 °
				-121.564116 °	-121.562669 °
DWR ID	DWR_RD0003_02_s_2012_54				
Comment Code					
CR : Crops					
Inspector Comment					
There is an orchard on the lower levee slope.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_54\_20190311\_00037.jpg



Looking south at trees on landward toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	6.07	Rating **	M	Issue No.	964	
LM End	6.07	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.195508 °	38.195508 °	
				-121.562820 °	-121.562820 °	
DWR ID	22238					
Comment Code						
Inspector Comment						
FS_ID:30864 DS_ID:22238 EP_NO: 9430 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Annular space not grouted. FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, invert elevation 4 feet below the crown. 8-inch pipe sleeved through the 12-inch pipe. Pump and gate valve in a pump house and a vent on the waterside (WS) slope. Siphon breaker in a 16-inch corrugated metal pipe (CMP) riser on the landside (LS) shoulder. 4-foot concrete standpipe, power pole, and meter on the LS toe. (Retention of an irrigation pumping plant with a centrifugal pump and accessories in a corrugated metal shed on the WS slope above rock authorized under Automatic Board Order (ABO) issued as Permit No. 9430, 1974 - M. B. Millhauser). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 20.99)]. FS Date: 2/24/2014						

LM Start	<b>6.07</b>	Rating **	M	Issue No.	<b>964 (cont)</b>
LM End	<b>6.07</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_30864\_56747.jpg



Pump and gate valve inside pumphouse on WS slope.

Photo 2 of 3 : UCIP\_SP\_2019\_30864\_56746.jpg



Vent next to pumphouse on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

## Levee Inspection Report By Mile - Spring 2019

### Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	6.07	Rating **	M	Issue No.	964 (cont)	
LM End	6.07	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.195508 °	38.195508 °	
				-121.562820 °	-121.562820 °	
DWR ID	22238					
Comment Code						
Inspector Comment						
FS_ID:30864 DS_ID:22238 EP_NO: 9430 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Annular space not grouted. FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, invert elevation 4 feet below the crown. 8-inch pipe sleeved through the 12-inch pipe. Pump and gate valve in a pump house and a vent on the waterside (WS) slope. Siphon breaker in a 16-inch corrugated metal pipe (CMP) riser on the landside (LS) shoulder. 4-foot concrete standpipe, power pole, and meter on the LS toe. (Retention of an irrigation pumping plant with a centrifugal pump and accessories in a corrugated metal shed on the WS slope above rock authorized under Automatic Board Order (ABO) issued as Permit No. 9430, 1974 - M. B. Millhauser). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 20.99)]. FS Date: 2/24/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_30864\_56745.jpg



Pumphouse on WS slope.

LM Start	6.19	Rating **	C	Issue No.	192
LM End	6.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.196862 °	38.200294 °
				-121.561550 °	-121.559346 °
DWR ID	DWR_RD0003_02_s_2018_192				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	6.54	Rating **	M	Issue No.	88
LM End	6.57	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.201390 °	38.201921 °
				-121.558934 °	-121.558866 °
DWR ID	DWR_RD0003_02_s_2012_88				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_88\_20190311\_00068.jpg



Looking south at landscaping on landside shoulder.

LM Start	6.54	Rating **	M	Issue No.	965	
LM End	6.54	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.201393 °	38.201393 °	
				-121.558905 °	-121.558905 °	
DWR ID	24841					
Comment Code						
Inspector Comment						
FS_ID:31291 DS_ID:24841 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: 2.5-inch polyvinyl chloride (PVC) conduit, 4 feet below the crown. 0.5-inch water line and electrical line sleeved through the conduit. Conduit provides service to a boat dock. This crossing was field discovered. FS Date: 2/20/2014						

Photo 1 of 2 : UCIP\_SP\_2019\_31291\_57310.jpg



Pipe visible on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	6.54	Rating **	M	Issue No.	965 (cont)	
LM End	6.54	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.201393 °	38.201393 °	
				-121.558905 °	-121.558905 °	
DWR ID	24841					
Comment Code						
Inspector Comment						
FS_ID:31291						
DS_ID:24841						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: No permit identified for this crossing.						
FIELD_STRUCT_DESC: 2.5-inch polyvinyl chloride (PVC) conduit, 4 feet below the crown. 0.5-inch water line and electrical line sleeved through the conduit. Conduit provides service to a boat dock. This crossing was field discovered.						
FS Date: 2/20/2014						

Photo 2 of 2 : UCIP\_SP\_2019\_31291\_57309.jpg



Pipe visible on WS slope.

LM Start	6.57	Rating **	C	Issue No.	191
LM End	7.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.201947 °	38.210963 °
				-121.558857 °	-121.558567 °
DWR ID	DWR_RD0003_02_s_2018_191				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	6.66	Rating **	M	Issue No.	966
LM End	6.66	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.203115 °	38.203115 °
				-121.558665 °	-121.558665 °
DWR ID	22242				
Comment Code					
Inspector Comment					
FS_ID:30672 DS_ID:22242 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 7-inch steel irrigation discharge pipe through the levee, invert elevation 7.6 feet below the crown. Pump in a pump house on a concrete pad on the waterside (WS) slope. Gate valve on the WS slope. 44-inch by 44-inch concrete distribution box, joint pole (JP), and meter at the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 21.58)]. FS Date: 2/20/2014					

LM Start	<b>6.66</b>	Rating **	M	Issue No.	<b>966 (cont)</b>
LM End	<b>6.66</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_30672\_56446.jpg



Concrete distribution box, power pole, and meter on LS toe.

Photo 2 of 3 : UCIP\_SP\_2019\_30672\_56445.jpg



Pump in vegetation on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	6.66	Rating **	M	Issue No.	966 (cont)	
LM End	6.66	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.203115 °		38.203115 °
				-121.558665 °		-121.558665 °
DWR ID	22242					
Comment Code						
Inspector Comment						
FS_ID:30672 DS_ID:22242 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 7-inch steel irrigation discharge pipe through the levee, invert elevation 7.6 feet below the crown. Pump in a pump house on a concrete pad on the waterside (WS) slope. Gate valve on the WS slope. 44-inch by 44-inch concrete distribution box, joint pole (JP), and meter at the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 21.58)]. FS Date: 2/20/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_30672\_56444.jpg



Pump on pad with butterfly valve on WS slope.

LM Start	6.88	Rating **	U	Issue No.	12
LM End	6.90	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.206363 °	38.206598 °
				-121.558520 °	-121.558530 °
DWR ID	DWR_RD0003_02_s_2012_12				
Comment Code					
V6 : Landscaping					
Inspector Comment					
There are palm trees on the landside slope.					

Photo 1 of 3 : SP\_2019\_RD0003\_25\_12\_20190311\_00013.jpg



Dense trees at landside toe and shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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## Levee Inspection Report By Mile - Spring 2019

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	<b>6.88</b>	Rating **	U	Issue No.	<b>12 (cont)</b>
LM End	<b>6.90</b>	Issue Type +	En	Location *	LS

* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	7.22	Rating **	U	Issue No.	55
LM End	7.22	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.211357 °	38.211357 °
				-121.558468 °	-121.558468 °
DWR ID	DWR_RD0003_02_s_2012_55				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_55\_20190311\_00038.jpg



Looking northwest at dense landscaping on landward shoulder and slope.

LM Start	7.40	Rating **	M	Issue No.	967	
LM End	7.40	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.213858 °	38.213858 °	
				-121.558540 °	-121.558540 °	
DWR ID	22248					
Comment Code						
Inspector Comment						
FS_ID:30647						
DS_ID:22248						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Annular space has not been grouted.						
FIELD_STRUCT_DESC: *ABANDONED* 6-inch steel irrigation						
discharge pipe through the levee, invert elevation 2.5 feet below the						
crown. 1.5-inch steel electrical conduit runs through the 6-inch pipe.						
[Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento						
O&M Manual 104, February 1960, (RM 22.33)].						
FS Date: 2/20/2014						

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	7.40	Rating **	M	Issue No.	968	
LM End	7.40	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.213880 °	38.213880 °	
				-121.558541 °	-121.558541 °	
DWR ID	22247					
Comment Code						
Inspector Comment						
FS_ID:30648 DS_ID:22247 EP_NO: 1383 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 44-inch deep hole on WS slope over pipe 3-inches in diameter. FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, invert elevation 4 feet below the crown. Concrete pump house on the waterside (WS) slope. 5-foot by 7-foot concrete distribution box at the landside (LS) toe with a pole and meter. (Plans for the installation of an irrigation pumping plant and a 12-inch steel discharge pipe through the levee authorized under Permit No. 1383, 1949 - Kate A. Berlin and Frank L. Fallman). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 22.33)]. FS Date: 2/20/2014						

LM Start	<b>7.40</b>	Rating **	M	Issue No.	<b>968 (cont)</b>
LM End	<b>7.40</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_30648\_56414.jpg



Pipe visible on LS slope with concrete distribution box on LS toe.

Photo 2 of 3 : UCIP\_SP\_2019\_30648\_56413.jpg



Meter on pole next to concrete distribution box on LS toe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	7.40	Rating **	M	Issue No.	968 (cont)	
LM End	7.40	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.213880 °	38.213880 °	
				-121.558541 °	-121.558541 °	
DWR ID	22247					
Comment Code						
Inspector Comment						
FS_ID:30648 DS_ID:22247 EP_NO: 1383 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 48-inch deep hole on WS slope over pipe 3-inches in diameter. FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, invert elevation 4 feet below the crown. Concrete pump house on the waterside (WS) slope. 5-foot by 7-foot concrete distribution box at the landside (LS) toe with a pole and meter. (Plans for the installation of an irrigation pumping plant and a 12-inch steel discharge pipe through the levee authorized under Permit No. 1383, 1949 - Kate A. Berlin and Frank L. Fallman). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 22.33)]. FS Date: 2/20/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_30648\_56412.jpg



Concrete pumphouse on WS shoulder with hole over pipe on WS slope.

LM Start	7.41	Rating **	C	Issue No.	190
LM End	7.41	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.214065 °	38.214065 °
				-121.558613 °	-121.558613 °
DWR ID	DWR_RD0003_02_s_2018_190				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	7.43	Rating **	U	Issue No.	189
LM End	7.43	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.214308 °	38.214308 °
				-121.558654 °	-121.558654 °
DWR ID	DWR_RD0003_02_s_2018_189				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_189\_20190311\_00151.jpg



View of landscape vegetation on the landside slope (October 2018).

LM Start	7.43	Rating **	C	Issue No.	188
LM End	7.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.214326 °	38.217941 °
				-121.558655 °	-121.558415 °
DWR ID	DWR_RD0003_02_s_2018_188				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	7.44	Rating **	U	Issue No.	198
LM End	7.44	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.214553 °	38.214553 °
				-121.558618 °	-121.558618 °
DWR ID	DWR_RD0003_02_f_2018_198				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove tree from landside slope.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_198\_20190311\_00155.jpg



View of tree at the top of the landside slope (October 2018).

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	7.66	Rating **	M	Issue No.	969	
LM End	7.66	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.217642 °		38.217642 °
				-121.558396 °		-121.558396 °
DWR ID	22249					
Comment Code						
Inspector Comment						
FS_ID:30643						
DS_ID:22249						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Appears abandoned and if so should be done so properly.						
FIELD_STRUCT_DESC: 6-inch steel irrigation discharge pipe through the levee, invert elevation 3.5 feet below the crown. Pump and gate valve in a pump house on the waterside (WS) slope. 36-inch concrete standpipe on the landside (LS). 1.5-inch electrical conduit through the levee at the same location. Power pole and meter on the LS slope. (L. Souza). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 22.60)].						
FS Date: 2/20/2014						

LM Start	<b>7.66</b>	Rating **	M	Issue No.	<b>969 (cont)</b>
LM End	<b>7.66</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_30643\_56402.jpg



Pumphouse on WS slope.

Photo 2 of 3 : UCIP\_SP\_2019\_30643\_56401.jpg



Pump, gate valve and pipe visible in pumphouse on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	7.66	Rating **	M	Issue No.	969 (cont)	
LM End	7.66	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.217642 °	38.217642 °	
				-121.558396 °	-121.558396 °	
DWR ID	22249					
Comment Code						
Inspector Comment						
FS_ID:30643						
DS_ID:22249						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Appears abandoned and if so should be done so properly.						
FIELD_STRUCT_DESC: 6-inch steel irrigation discharge pipe through the levee, invert elevation 3.5 feet below the crown. Pump and gate valve in a pump house on the waterside (WS) slope. 36-inch concrete standpipe on the landside (LS). 1.5-inch electrical conduit through the levee at the same location. Power pole and meter on the LS slope. (L. Souza). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 22.60)].						
FS Date: 2/20/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_30643\_56400.jpg



Electrical panel inside pumphouse on WS slope.

LM Start	7.71	Rating **	M	Issue No.	178
LM End	7.71	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.218462 °	38.218462 °
				-121.558383 °	-121.558383 °
DWR ID	DWR_RD0003_02_f_2017_178				
Comment Code					
V6 : Landscaping					
Inspector Comment					
There are multiple century plants at this location.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	7.84	Rating **	M	Issue No.	187
LM End	7.84	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.220291 °	38.220291 °
				-121.558047 °	-121.558047 °
DWR ID	DWR_RD0003_02_f_2018_187				
Comment Code					
EQ : Equipment					
Inspector Comment					

No Photos

LM Start	8.01	Rating **	M	Issue No.	177
LM End	8.01	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.222673 °	38.222673 °
				-121.557539 °	-121.557539 °
DWR ID	DWR_RD0003_02_f_2017_177				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_177\_20190311\_00148.jpg



View of prunings on the landside slope (October 2018).

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	8.02	Rating **	M	Issue No.	970
LM End	8.02	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.222784 °	38.222784 °
				-121.557474 °	-121.557474 °
DWR ID	22251				
Comment Code					
Inspector Comment					
FS_ID:30623 DS_ID:22251 EP_NO: 886 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Erosion under pipe on LS slope. FIELD_STRUCT_DESC: 10-inch steel irrigation discharge pipe through the levee, invert elevation 3.8 feet below the crown. Slant pump on the waterside (WS) slope. 36-inch concrete standpipe at the landside (LS) toe with a filter plant. Service pole on the LS slope. 1.5-inch steel electrical conduit through the levee at the same location. (Plans for the installation and maintenance of an irrigation pumping plant, including an 8-inch discharge pipe through the levee authorized under Permit No. 886, 1942 - Georgia McKuen. Retention of an irrigation pumping plant with a slant pump and a 10-inch steel pipe through the levee above the floodplain and a service pole near the LS shoulder authorized under Automatic Board Order (ABO) issued as Permit No. 9437, 1974 - Joseph Green Jr). [Additional Reference(s): DWR Levee Log, 1993, 12-inch pipe referenced. USACE Sacramento O&M Manual, February 1960, (RM 22.96)]. FS Date: 2/20/2014					

LM Start	<b>8.02</b>	Rating **	M	Issue No.	<b>970 (cont)</b>
LM End	<b>8.02</b>	Issue Type +	En	Location *	

Photo 1 of 2 : UCIP\_SP\_2019\_30623\_56381.jpg



Pipe and slant pump on WS slope.

Photo 2 of 2 : UCIP\_SP\_2019\_30623\_56380.jpg



vent, pipe, standpipe, and filter plant on LS.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	8.04	Rating **	C	Issue No.	197
LM End	8.04	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.223160 °	38.223160 °
				-121.557437 °	-121.557437 °
DWR ID	DWR_RD0003_02_f_2018_197				
Comment Code					
AV : Abandoned vehicles					
Inspector Comment					
Abandoned trailer should be removed.					

No Photos

LM Start	8.08	Rating **	A/W	Issue No.	125	
LM End	8.17	Issue Type +	Ob	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	2017 Storm Damage			38.223641 °	38.225070 °	
				-121.557299 °	-121.557290 °	
DWR ID	DWR_RD0003_02_s_2018_125					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:64						
Site Designation:384-178						
Repair Type: Seepage						
Rating:						
Field Date:						
Notes:						

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	8.09	Rating **	M	Issue No.	971
LM End	8.09	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.223779 °	38.223779 °
				-121.557265 °	-121.557265 °
DWR ID	22254				
Comment Code					
Inspector Comment					
FS_ID:30588 DS_ID:22254 EP_NO: 9436 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: 2-inch steel water line through the levee, 6.5 feet below the crown. (Retention of a 2-inch steel pipe water line through the levee above the floodplain authorized under Automatic Board Order (ABO) issued as Permit No. 9436, 1974 - Harry A. Sergeant. Plans to construct a floating dock with a walkway on the levee and revive use of an existing reinforced concrete tunnel through the levee authorized under Permit No. 8612, 1974 - Harry A. and Jennie E. Sergeant). [Additional Reference(s): DWR Levee Log, 1993]. FS Date: 2/20/2014					

Photo 1 of 1 : UCIP\_SP\_2019\_30588\_56377.jpg



Pipe visible next to concrete culvert on WS slope.

LM Start	8.11	Rating **	U	Issue No.	15
LM End	8.11	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.224130 °	38.224130 °
				-121.557206 °	-121.557206 °
DWR ID	DWR_RD0003_02_f_2015_15				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove broken tree branches on waterside shoulder and slope.					

Photo 1 of 2 : SP\_2019\_RD0003\_25\_15\_20190311\_00018.jpg



Looking northeast at broken and cracked tree branches on waterward slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	8.11	Rating **	U	Issue No.	15 (cont)	
LM End	8.11	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.224130 °		38.224130 °
				-121.557206 °		-121.557206 °
DWR ID	DWR_RD0003_02_f_2015_15					
Comment Code						
TR : Tree or limb						
Inspector Comment						
Remove broken tree branches on waterside shoulder and slope.						

Photo 2 of 2 : SP\_2019\_RD0003\_25\_15\_20190311\_00019.jpg



Looking east at broken and cracked tree branches on waterward slope.

LM Start	8.11	Rating **	C	Issue No.	185
LM End	8.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.224189 °	38.228139 °
				-121.557259 °	-121.557094 °
DWR ID	DWR_RD0003_02_s_2018_185				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	8.24	Rating **	U	Issue No.	972
LM End	8.24	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.226067 °	38.226067 °
				-121.557032 °	-121.557032 °
DWR ID	22256				
Comment Code					
Inspector Comment					
FS_ID:53485 DS_ID:22256 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 07/20/2018 Everything appears to be the same as last time. No changes have been made. Crossing remains "Urgent" due to the erosion present on the LS. (A. McDonald - DWR UCIP)07/06/2016 Pipe is open on WS slope. Same as last inspection. (DWR UCIP - K. Fazel)02/20/2014 Appears abandoned and if so should be done properly. Large erosion holes in 2 places on LS toe due to irrigation flows. (DWR FPIIB - G. Wylie) FIELD_STRUCT_DESC: *ABANDONED* 12-inch steel irrigation discharge pipe through the levee, invert elevation 4.8 feet below the crown. Pump on the waterside (WS) slope. 1.5-inch steel electrical conduit through the levee at the same location. 5-foot by 5-foot concrete distribution box at the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1993, 10-inch pipe referenced. USACE Sacramento O&M Manual 104, February 1960, (RM 23.20), 10-inch pipe referenced]. Levee Log incorrectly references Gemignani as the owner of this pipe. FS Date: 7/20/2018					

LM Start	<b>8.24</b>	Rating **	U	Issue No.	<b>972 (cont)</b>
LM End	<b>8.24</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_53485\_56371.jpg



Pipe and slant pump visible on WS slope.

Photo 2 of 3 : UCIP\_SP\_2019\_53485\_56370.jpg



Open pipe visible on WS slope.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	8.24	Rating **	U	Issue No.	972 (cont)	
LM End	8.24	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.226067 °	38.226067 °	
				-121.557032 °	-121.557032 °	
DWR ID	22256					
Comment Code						
Inspector Comment						
FS_ID:53485 DS_ID:22256 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 07/20/2018 Everything appears to be the same as last time. No changes have been made. Crossing remains "Urgent" due to the erosion present on the LS. (A. McDonald - DWR UCIP)07/06/2016 Pipe is open on WS slope. Same as last inspection. (DWR UCIP - K. Fazel)02/20/2014 Appears abandoned and if so should be done properly. Large erosion holes in 2 places on LS toe due to irrigation flows. (DWR FPIIB - G. Wylie) FIELD_STRUCT_DESC: *ABANDONED* 12-inch steel irrigation discharge pipe through the levee, invert elevation 4.8 feet below the crown. Pump on the waterside (WS) slope. 1.5-inch steel electrical conduit through the levee at the same location. 5-foot by 5-foot concrete distribution box at the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1993, 10-inch pipe referenced. USACE Sacramento O&M Manual 104, February 1960, (RM 23.20), 10-inch pipe referenced]. Levee Log incorrectly references Gemignani as the owner of this pipe. FS Date: 7/20/2018						

Photo 3 of 3 : UCIP\_SP\_2019\_53485\_56374.jpg



Pipe and concrete distribution box visible on LS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	8.25	Rating **	M	Issue No.	973
LM End	8.25	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.226177 °	38.226177 °
				-121.557027 °	-121.557027 °
DWR ID	22257				
Comment Code					
Inspector Comment					
FS_ID:30577					
DS_ID:22257					
EP_NO: 3593					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Siphon breaker broken off pipe on LS slope.					
FIELD_STRUCT_DESC: 12-inch coated steel irrigation discharge pipe through the levee, 4 feet below the crown. Pump on a concrete pad on the waterside (WS) slope. 42-inch concrete standpipe at the landside (LS) toe. Siphon breaker on the LS slope. Project drawings included with permit. 1-inch electrical conduit through the levee at the same location. (Plans for construction of a pumping plant on the WS authorized under Permit No. 3593, 1961 - Nelson Dean). [Additional Reference(s): DWR Levee Log, 1993].					
FS Date: 2/20/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_30577\_56345.jpg



Siphon breaker/vent broken off pipe at LS slope.

LM Start	<b>8.25</b>	Rating **	M	Issue No.	<b>973 (cont)</b>
LM End	<b>8.25</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_30577\_56344.jpg



Concrete standpipe, powerpole, and meter visible on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	8.25	Rating **	M	Issue No.	973 (cont)	
LM End	8.25	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.226177 °		38.226177 °
				-121.557027 °		-121.557027 °
DWR ID	22257					
Comment Code						
Inspector Comment						
FS_ID:30577 DS_ID:22257 EP_NO: 3593 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Siphon breaker broken off pipe on LS slope. FIELD_STRUCT_DESC: 12-inch coated steel irrigation discharge pipe through the levee, 4 feet below the crown. Pump on a concrete pad on the waterside (WS) slope. 42-inch concrete standpipe at the landside (LS) toe. Siphon breaker on the LS slope. Project drawings included with permit. 1-inch electrical conduit through the levee at the same location. (Plans for construction of a pumping plant on the WS authorized under Permit No. 3593, 1961 - Nelson Dean). [Additional Reference(s): DWR Levee Log, 1993]. FS Date: 2/20/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_30577\_56346.jpg



Pump and pipe visible on WS slope.

LM Start	8.43	Rating **	M	Issue No.	59
LM End	8.43	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.229251 °	38.229251 °
				-121.557227 °	-121.557227 °
DWR ID	DWR_RD0003_02_s_2012_59				
Comment Code					
MA : Material					
Inspector Comment					
There are concrete footings and retaining walls at the levee toe and slopes. They have been in place for several years.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_59\_20190311\_00040.jpg



Looking southeast at concrete structure on waterward slope.

\* Location  
 LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

\*\* Rating  
 A : Acceptable  
 M : Minimally Acceptable  
 U : Unacceptable  
 N : Not Inspected/Rated  
 C : Corrected  
 A/W : Acceptable but Monitor & Maintain

+ Issue Type  
 Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	8.46	Rating **	M	Issue No.	974
LM End	8.46	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.229127 °	38.229127 °
				-121.557189 °	-121.557189 °
DWR ID	22259				
Comment Code					
Inspector Comment					
FS_ID:30568 DS_ID:22259 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. Rusted through and open on LS slope. Possibly just a section of discarded pipe. FIELD_STRUCT_DESC: *ABANDONED* 5-inch steel pipe of an unknown purpose through the levee, 5 feet below the crown. Open on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1993]. FS Date: 2/20/2014					

Photo 1 of 1 : UCIP\_SP\_2019\_30568\_56321.jpg



Steel pipe visible on LS Slope.

LM Start	8.67	Rating **	M	Issue No.	196
LM End	8.67	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.232066 °	-121.558586 °
				38.232066 °	-121.558586 °
DWR ID	DWR_RD0003_02_s_2019_196				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
There is a bench on the waterside slope.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_196\_20190404\_00318.jpg



View looking downslope at erosion on the waterside slope (Spring 2019).

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	8.75	Rating **	M	Issue No.	195
LM End	8.75	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.233052 °	38.233052 °
				-121.559152 °	-121.559152 °
DWR ID	DWR_RD0003_02_f_2018_195				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove logs from the landside slope.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_195\_20190311\_00153.jpg



View of logs on the landside slope (October 2018).

LM Start	8.85	Rating **	M	Issue No.	78
LM End	8.93	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.234516 °	38.235630 °
				-121.559502 °	-121.559640 °
DWR ID	DWR_RD0003_02_s_2013_78				
Comment Code					
FE : Fence					
Inspector Comment					
There is an unauthorized fence along this stretch.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_78\_20190311\_00056.jpg



Looking northwest at unauthorized fence on landward shoulder.

LM Start	8.87	Rating **	U	Issue No.	158
LM End	8.87	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.234759 °	38.234759 °
				-121.559534 °	-121.559534 °
DWR ID	DWR_RD0003_02_s_2015_158				
Comment Code					
V6 : Landscaping					
Inspector Comment					
There is a large cluster of cactus on the landside slope.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_158\_20190311\_00137.jpg



Looking west at cactus on landward slope and toe.

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	8.98	Rating **	M	Issue No.	176
LM End	8.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.236425 °	38.236425 °
				-121.559561 °	-121.559561 °
DWR ID	DWR_RD0003_02_f_2017_176				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	9.01	Rating **	M	Issue No.	2
LM End	9.01	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.236877 °	38.236877 °
				-121.559528 °	-121.559528 °
DWR ID	DWR_RD0003_02_s_2012_2				
Comment Code					
RA : Ramp					
Inspector Comment					
New landowner installed an unauthorized ramp on the landside slope. The district engineer has spoken with the landowner about removing the ramp. Wild grape vines are growing on the ramp slope.					

Photo 1 of 3 : SP\_2019\_RD0003\_25\_2\_20190311\_00001.jpg



Looking south at unauthorized ramp on landside slope.

LM Start	<b>9.01</b>	Rating **	M	Issue No.	<b>2 (cont)</b>
LM End	<b>9.01</b>	Issue Type +	En	Location *	LS

Photo 2 of 3 : SP\_2019\_RD0003\_25\_2\_20190311\_00002.jpg



Looking southwest at unauthorized ramp on landside. 2013

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	9.01	Rating **	M	Issue No.	2 (cont)	
LM End	9.01	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.236877 °		38.236877 °
				-121.559528 °		-121.559528 °
DWR ID	DWR_RD0003_02_s _ 2012_2					
Comment Code						
RA : Ramp						
Inspector Comment						
New landowner installed an unauthorized ramp on the landside slope. The district engineer has spoken with the landowner about removing the ramp. Wild grape vines are growing on the ramp slope.						

Photo 3 of 3 : SP\_2019\_RD0003\_25\_2\_20190311\_00003.jpg



Looking south at ramp on landside slope.

LM Start	9.02	Rating **	C	Issue No.	61
LM End	9.02	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.236999 °	38.236999 °
				-121.559412 °	-121.559412 °
DWR ID	DWR_RD0003_02_s _ 2012_61				
Comment Code					
V6 : Landscaping					
Inspector Comment					

No Photos

LM Start	9.05	Rating **	M	Issue No.	62
LM End	9.12	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.237346 °	38.238329 °
				-121.559154 °	-121.558534 °
DWR ID	DWR_RD0003_02_s _ 2012_62				
Comment Code					
BU : Building					
Inspector Comment					
There are multiple buildings along this stretch in the town of Ryde.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	9.16	Rating **	U	Issue No.	182	
LM End	9.16	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.238812 °		38.238812 °
				-121.558187 °		-121.558187 °
DWR ID	DWR_RD0003_02_f_2018_182					
Comment Code						
V6 : Landscaping						
Inspector Comment						
Palm trees are blocking the view of the levee.						

Photo 1 of 1 : SP\_2019\_RD0003\_25\_182\_20190311\_00150.jpg



View of palm trees at the top of the landside slope (October 2018).

LM Start	9.19	Rating **	U	Issue No.	184
LM End	10.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.239175 °	38.238799 °
				-121.557848 °	-121.531847 °
DWR ID	DWR_RD0003_02_s_2019_184				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Control annual vegetation.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_184\_20190404\_00334.jpg



View looking downstream at annual vegetation on the landside slope (Spring 2019).

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement





**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	9.21	Rating **	M	Issue No.	975 (cont)	
LM End	9.21	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.239339 °	38.239339 °	
				-121.557650 °	-121.557650 °	
DWR ID	22271					
Comment Code						
Inspector Comment						
FS_ID:30507 DS_ID:22271 EP_NO: 3295 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Possibly Abandoned and if so should be done properly. Pipe shows sigs of decay on LS toe and there is pipe debris on the WS slope. Good candidate for video inspection. FIELD_STRUCT_DESC: 10-inch steel irrigation discharge pipe through the levee, 6.5 feet below the crown. Pump on the waterside (WS) slope with a gate valve. Gate valve, power pole, and meter visible on the landside (LS) toe. 1.5-inch steel electrical conduit through the levee at the same location. (Plans for installation of a pump and motor on the WS slope of the levee and installation of an 8-inch pipe through an existing 12-inch pipe through the levee authorized under Permit No. 3295, 1960 - Robert and Craig James). [Additional Reference(s): DWR Levee Log, 1993]. FS Date: 2/20/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_30507\_56118.jpg



Pipe to left of power pole and meter at LS toe.

LM Start	9.29	Rating **	U	Issue No.	63
LM End	9.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.240337 °	38.240337 °
				-121.556870 °	-121.556870 °
DWR ID	DWR_RD0003_02_s_2012_63				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trim trees on the landside slope.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_63\_20190404\_00320.jpg



View looking upstream at thick trees on the landside slope (Spring 2019).

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	9.35	Rating **	U	Issue No.	976
LM End	9.35	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.240971 °	38.240971 °
				-121.556116 °	-121.556116 °
DWR ID	22272				

**Comment Code**

**Inspector Comment**

FS\_ID:53270  
DS\_ID:22272  
EP\_NO: 1136  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 07/20/2018 Everything appears to be the same as last time. No changes have been made. This crossing remains "Urgent": need to determine the condition of the pipe through the levee. (A. McDonald - DWR UCIP)07/06/2016 Highway has been since paved so pot hole not visible. No evidence of repair. (DWR UCIP - kfazel)02/20/2014 Dip in pavement over pipe on North bound lane may indicate internal leak in pipe. Good candidate for video inspection. (DWR UCIP - pamatya)  
FIELD\_STRUCT\_DESC: 16-inch steel irrigation discharge pipe through the levee, invert elevation 6.2 feet below the crown. 12-inch steel pipe sleeved through the existing 16-inch pipe with the annular space grouted. Slant pump on the waterside (WS) slope next to the pump house. Butterfly valve and siphon breaker/vent at the pump on the WS slope. Siphon breaker/vent on the landside (LS) shoulder. Filter, pump, vent, and butterfly valve at the LS toe. The current 16-inch pipe replaced the abandoned 10-inch pipe under DSID 22273. (Plans for plugging up an existing 10-inch steel discharge pipe and installing a new 16-inch steel discharge pipe through the levee authorized under Permit No. 1136, 1946 - Dennis W. Leary. Plans to install a 12-inch irrigation intake pipe inside an existing 16-inch pipe in the levee authorized under Permit No. 14811, 1988 - Leary Ranch, Inc).  
[Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 24.32), 14-inch pipe referenced].  
FS Date: 7/20/2018

Photo 1 of 3 : UCIP\_SP\_2019\_53270\_57439.jpg



Pump, pipe, butterfly valve, and shed visible on WS slope.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	<b>9.35</b>	Rating **	U	Issue No.	<b>976 (cont)</b>
LM End	<b>9.35</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.240971 °	38.240971 °	
			-121.556116 °	-121.556116 °	

DWR ID	22272
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Comment Code	
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Inspector Comment	
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FS\_ID:53270

DS\_ID:22272

EP\_NO: 1136

Repair Type: Urgent

Crossing Status: Found

UCIP Comments: 07/20/2018 Everything appears to be the same as last time. No changes have been made. This crossing remains "Urgent": need to determine the condition of the pipe through the levee.

(A. McDonald - DWR UCIP)07/06/2016 Highway has been since paved so pot hole not visible. No evidence of repair. (DWR UCIP - kfazel)02/20/2014 Dip in pavement over pipe on North bound lane may indicate internal leak in pipe. Good candidate for video inspection. (DWR UCIP - pamatya)

FIELD\_STRUCT\_DESC: 16-inch steel irrigation discharge pipe through the levee, invert elevation 6.2 feet below the crown. 12-inch steel pipe sleeved through the existing 16-inch pipe with the annular space grouted. Slant pump on the waterside (WS) slope next to the pump house. Butterfly valve and siphon breaker/vent at the pump on the WS slope. Siphon breaker/vent on the landside (LS) shoulder. Filter, pump, vent, and butterfly valve at the LS toe. The current 16-inch pipe replaced the abandoned 10-inch pipe under DSID 22273. (Plans for plugging up an existing 10-inch steel discharge pipe and installing a new 16-inch steel discharge pipe through the levee authorized under Permit No. 1136, 1946 - Dennis W. Leary. Plans to install a 12-inch irrigation intake pipe inside an existing 16-inch pipe in the levee authorized under Permit No. 14811, 1988 - Leary Ranch, Inc).

[Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 24.32), 14-inch pipe referenced].  
FS Date: 7/20/2018

Photo 2 of 3 : UCIP\_SP\_2019\_53270\_57438.jpg



Pump, pipe, butterfly valve, and shed visible on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	9.35	Rating **	U	Issue No.	976 (cont)
LM End	9.35	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.240971 °	38.240971 °
				-121.556116 °	-121.556116 °
DWR ID	22272				

**Comment Code**

**Inspector Comment**

FS\_ID:53270  
DS\_ID:22272  
EP\_NO: 1136  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 07/20/2018 Everything appears to be the same as last time. No changes have been made. This crossing remains "Urgent": need to determine the condition of the pipe through the levee. (A. McDonald - DWR UCIP)07/06/2016 Highway has been since paved so pot hole not visible. No evidence of repair. (DWR UCIP - kfazel)02/20/2014 Dip in pavement over pipe on North bound lane may indicate internal leak in pipe. Good candidate for video inspection. (DWR UCIP - pamatya)  
FIELD\_STRUCT\_DESC: 16-inch steel irrigation discharge pipe through the levee, invert elevation 6.2 feet below the crown. 12-inch steel pipe sleeved through the existing 16-inch pipe with the annular space grouted. Slant pump on the waterside (WS) slope next to the pump house. Butterfly valve and siphon breaker/vent at the pump on the WS slope. Siphon breaker/vent on the landside (LS) shoulder. Filter, pump, vent, and butterfly valve at the LS toe. The current 16-inch pipe replaced the abandoned 10-inch pipe under DSID 22273. (Plans for plugging up an existing 10-inch steel discharge pipe and installing a new 16-inch steel discharge pipe through the levee authorized under Permit No. 1136, 1946 - Dennis W. Leary. Plans to install a 12-inch irrigation intake pipe inside an existing 16-inch pipe in the levee authorized under Permit No. 14811, 1988 - Leary Ranch, Inc).  
[Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 24.32), 14-inch pipe referenced].  
FS Date: 7/20/2018

Photo 3 of 3 : UCIP\_SP\_2019\_53270\_57437.jpg



Vent/siphon breaker on LS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	9.35	Rating **	M	Issue No.	100
LM End	9.37	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.240997 °	38.241199 °
				-121.556136 °	-121.555867 °
DWR ID	DWR_RD0003_02_f_2013_100				
Comment Code					
V6 : Landscaping					
Inspector Comment					
There is cactus located on the landside slope. Palm trees have been removed.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_100\_20190311\_00077.jpg



View of cactus on the landside slope (October 2018).

LM Start	9.43	Rating **	U	Issue No.	175
LM End	9.45	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.241752 °	38.241902 °
				-121.555088 °	-121.554792 °
DWR ID	DWR_RD0003_02_f_2018_175				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Trim landscaping trees to allow view down the landside slope.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_175\_20190404\_00336.jpg



View looking upstream at landscape vegetation on the landside slope (Spring 2019).

LM Start	9.47	Rating **	U	Issue No.	186
LM End	9.47	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.242031 °	38.242031 °
				-121.554326 °	-121.554326 °
DWR ID	DWR_RD0003_02_s_2019_186				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Trim landscape vegetation on the landside slope.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_186\_20190404\_00335.jpg



View looking upstream at landscaping on the landside slope (Spring 2019).

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	9.51	Rating **	M	Issue No.	977
LM End	9.51	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.242202 °	38.242202 °
				-121.553633 °	-121.553633 °
DWR ID	22275				
Comment Code					
Inspector Comment					
FS_ID:31349 DS_ID:22275 EP_NO: 3738 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Heavy foliage over pipe and appurtances on LS slope. FIELD_STRUCT_DESC: 6-inch steel irrigation discharge pipe through the levee, invert elevation 5.5 feet below the crown. Pump and gate valve in a pump house on the waterside (WS) slope. 1.5-inch steel electrical conduit through the levee at the same location. (Plans to insert a new 4-inch pipe through an existing 6-inch irrigation pipe through the levee authorized under Permit No. 3738, 1961 - Emmett James). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 24.48)]. FS Date: 2/18/2014					

LM Start	<b>9.51</b>	Rating **	M	Issue No.	<b>977 (cont)</b>
LM End	<b>9.51</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_31349\_57435.jpg



Pump, pipe, and gate valves in pumphouse on WS slope.

Photo 2 of 3 : UCIP\_SP\_2019\_31349\_57434.jpg



Pumphouse on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	9.51	Rating **	M	Issue No.	977 (cont)	
LM End	9.51	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.242202 °		38.242202 °
				-121.553633 °		-121.553633 °
DWR ID	22275					
Comment Code						
Inspector Comment						
FS_ID:31349 DS_ID:22275 EP_NO: 3738 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Heavy foliage over pipe and appurtances on LS slope. FIELD_STRUCT_DESC: 6-inch steel irrigation discharge pipe through the levee, invert elevation 5.5 feet below the crown. Pump and gate valve in a pump house on the waterside (WS) slope. 1.5-inch steel electrical conduit through the levee at the same location. (Plans to insert a new 4-inch pipe through an existing 6-inch irrigation pipe through the levee authorized under Permit No. 3738, 1961 - Emmett James). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 24.48)]. FS Date: 2/18/2014						

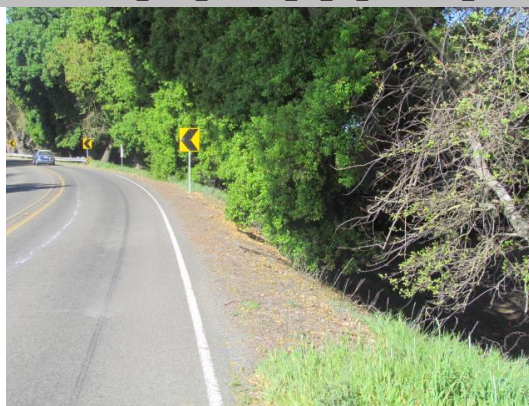
Photo 3 of 3 : UCIP\_SP\_2019\_31349\_57433.jpg



Pipe visible at LS toe.

LM Start	9.56	Rating **	M	Issue No.	64
LM End	9.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.242392 °	38.242501 °
				-121.552862 °	-121.551632 °
DWR ID	DWR_RD0003_02_s_2012_64				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_64\_20190311\_00042.jpg



Looking southwest at dense trees on landward shoulder and slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	9.63	Rating **	M	Issue No.	101
LM End	9.77	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.242471 °	38.242251 °
				-121.551426 °	-121.548970 °
DWR ID	DWR_RD0003_02_f_2013_101				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Large redwood trees are at the landside toe and berm.					

Photo 1 of 2 : SP\_2019\_RD0003\_25\_101\_20190311\_00078.jpg



Looking northeast at dense redwood trees on landward toe and berm.

LM Start	<b>9.63</b>	Rating **	M	Issue No.	<b>101 (cont)</b>
LM End	<b>9.77</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP\_2019\_RD0003\_25\_101\_20190311\_00079.jpg



Looking southwest at dense redwood trees on landward toe and berm.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	9.69	Rating **	M	Issue No.	978	
LM End	9.69	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.242415 °		38.242415 °
				-121.550452 °		-121.550452 °
DWR ID	22277					
Comment Code						
Inspector Comment						
FS_ID:30424						
DS_ID:22277						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe is not grouted properly.						
FIELD_STRUCT_DESC: *ABANDONED* 14-inch steel irrigation						
discharge pipe through the levee, 5.7 feet below the crown. (Pipe						
capped on both ends by USACE in 1964). 1.5-inch steel electrical						
conduit through the levee at the same location, visible on both sides of						
the levee and capped. [Additional Reference(s): DWR Levee Log, 1993].						
FS Date: 2/18/2014						

Photo 1 of 1 : UCIP\_SP\_2019\_30424\_55960.jpg



Electrical conduit visible on WS slope.

LM Start	9.82	Rating **	A/W	Issue No.	137
LM End	9.84	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.242006 °	38.241950 °
				-121.548117 °	-121.547681 °
DWR ID	DWR_RD0003_02_s_2019_137				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:District station 518+55 to 519+81 , Sec. 33, T. 5 N. R. 4 E., M.D.M. Approximately 126 linear feet of erosion and sloughing exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/4 of the way down the slope from the crown and extends into the rip rap.					
Site ID No:279					
Site Designation:LMA-105					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/26/2017					
Notes:					

Photo 1 of 3 : SP\_2019\_RD0003\_25\_137\_20190311\_00101.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	9.82	Rating **	A/W	Issue No.	137 (cont)	
LM End	9.84	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.242006°	38.241950°	
				-121.548117°	-121.547681°	
DWR ID	DWR_RD0003_02_s_2019_137					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description: District station 518+55 to 519+81 , Sec. 33, T. 5 N. R. 4 E., M.D.M. Approximately 126 linear feet of erosion and sloughing exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/4 of the way down the slope from the crown and extends into the rip rap.						
Site ID No: 279						
Site Designation: LMA-105						
Repair Type: Erosion						
Rating: Area of Concern						
Field Date: 7/26/2017						
Notes:						

Photo 2 of 3 : SP\_2019\_RD0003\_25\_137\_20190311\_00102.jpg



LM Start	<b>9.82</b>	Rating **	A/W	Issue No.	<b>137 (cont)</b>
LM End	<b>9.84</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : SP\_2019\_RD0003\_25\_137\_20190311\_00103.jpg



\* Location  
 LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

\*\* Rating  
 A : Acceptable                      N : Not Inspected/Rated  
 M : Minimally Acceptable        C : Corrected  
 U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
 Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	9.85	Rating **	U	Issue No.	156
LM End	9.97	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.242068 °	38.241798 °
				-121.547423 °	-121.545394 °
DWR ID	DWR_RD0003_02_s_2015_156				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Dense vegetation is blocking the view down the landside slope.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_156\_20190311\_00136.jpg



Looking west at dense landscaping on landward shoulder and slope.

LM Start	9.91	Rating **	M	Issue No.	979
LM End	9.91	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.241913 °	38.241913 °
				-121.546418 °	-121.546418 °
DWR ID	22280				
Comment Code					
Inspector Comment					
FS_ID:30408 DS_ID:22280 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Annular space not grouted. FIELD_STRUCT_DESC: 6-inch steel irrigation discharge pipe through the levee, invert elevation 5.5 feet below the crown. A 3.5-inch steel pipe is sleeved through a 5-inch pipe which is sleeved through the 6-inch pipe. The annular space is not grouted. Pump and gate valve on the waterside (WS) slope. Concrete distribution box at the landside (LS) toe. 1.5-inch electrical conduit through the levee at the same location. Service pole at the LS toe. (Joe Dianda). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 24.88)]. FS Date: 2/18/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_30408\_55931.jpg



Pump and shutoff valve on concrete pad on WS slope.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	9.91	Rating **	M	Issue No.	979 (cont)	
LM End	9.91	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.241913 °		38.241913 °
				-121.546418 °		-121.546418 °
DWR ID	22280					
Comment Code						
Inspector Comment						
FS_ID:30408						
DS_ID:22280						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Annular space not grouted.						
FIELD_STRUCT_DESC: 6-inch steel irrigation discharge pipe through the levee, invert elevation 5.5 feet below the crown. A 3.5-inch steel pipe is sleeved through a 5-inch pipe which is sleeved through the 6-inch pipe. The annular space is not grouted. Pump and gate valve on the waterside (WS) slope. Concrete distribution box at the landside (LS) toe. 1.5-inch electrical conduit through the levee at the same location. Service pole at the LS toe. (Joe Dianda). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 24.88)].						
FS Date: 2/18/2014						

LM Start	<b>9.91</b>	Rating **	M	Issue No.	<b>979 (cont)</b>
LM End	<b>9.91</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_30408\_55930.jpg



2 pipes sleeved through 6-inch pipe.

Photo 3 of 3 : UCIP\_SP\_2019\_30408\_55929.jpg



Concrete standpipe covered in vegetation on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	9.93	Rating **	U	Issue No.	19
LM End	9.93	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.241880 °	38.241880 °
				-121.546108 °	-121.546108 °
DWR ID	DWR_RD0003_02_s_2012_19				
Comment Code					
FE : Fence					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_19\_20190311\_00021.jpg



Block/Concrete fence on landside shoulder.

LM Start	10.01	Rating **	A/W	Issue No.	138
LM End	10.03	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.241481 °	38.241439 °
				-121.544569 °	-121.544353 °
DWR ID	DWR_RD0003_02_f_2017_138				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:District station 528+97 to 529+58, Sec. 33, T. 5 N. R. 4 E., M.D.M. Approximately 61 linear feet of erosion and sloughing exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/2 of the way down the slope from the crown and extends into the rip rap.					
Site ID No:280					
Site Designation:LMA-106					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/26/2017					
Notes:					

Photo 1 of 3 : SP\_2019\_RD0003\_25\_138\_20190311\_00104.jpg



38.24156, -121.54425, 25.0m, 217°  
Jul 26, 2017 10:29:52 AM

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	10.01	Rating **	A/W	Issue No.	138 (cont)	
LM End	10.03	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.241481 °	38.241439 °	
				-121.544569 °	-121.544353 °	
DWR ID	DWR_RD0003_02_f_2017_138					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:District station 528+97 to 529+58, Sec. 33, T. 5 N. R. 4 E., M.D.M. Approximately 61 linear feet of erosion and sloughing exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/2 of the way down the slope from the crown and extends into the rip rap.						
Site ID No:280						
Site Designation:LMA-106						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:7/26/2017						
Notes:						

Photo 2 of 3 : SP\_2019\_RD0003\_25\_138\_20190311\_00105.jpg



LM Start	<b>10.01</b>	Rating **	A/W	Issue No.	<b>138 (cont)</b>
LM End	<b>10.03</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : SP\_2019\_RD0003\_25\_138\_20190311\_00106.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	10.04	Rating **	M	Issue No.	85	
LM End	10.09	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.241551 °		38.241422 °
				-121.544035 °		-121.543236 °
DWR ID	DWR_RD0003_02_s_2012_85					
Comment Code						
V6 : Landscaping						
Inspector Comment						

No Photos

LM Start	10.05	Rating **	U	Issue No.	167
LM End	10.05	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.241522 °	38.241522 °
				-121.543883 °	-121.543883 °
DWR ID	DWR_RD0003_02_f_2018_167				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove tree debris from the landside slope.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_167\_20190311\_00143.jpg



View of partially removed tree on the landside slope (October 2018).

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	10.10	Rating **	M	Issue No.	980
LM End	10.10	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.241300 °	38.241300 °
				-121.542967 °	-121.542967 °
DWR ID	22281				
Comment Code					
Inspector Comment					
FS_ID:30406					
DS_ID:22281					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Actuator for Gate valve is broken off.					
FIELD_STRUCT_DESC: 8-inch steel irrigation discharge pipe through the levee, invert elevation 6.5 feet below the crown. Pipe reduced to 6 inches on the slopes. Pump and gate valve on a concrete pad on the waterside (WS) slope. Siphon breaker on the landside (LS) slope. (DWR Bank Protection Project, Drawing No. 50-4-3741, Sheet 21 - Castanho). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 25.09), 6-inch pipe referenced].					
FS Date: 2/18/2014					

LM Start	<b>10.10</b>	Rating **	M	Issue No.	<b>980 (cont)</b>
LM End	<b>10.10</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_30406\_55927.jpg



Pump, gate valve, and concrete pad on WS slope.

Photo 2 of 3 : UCIP\_SP\_2019\_30406\_55926.jpg



Siphon Breaker in CMP riser on LS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	10.10	Rating **	M	Issue No.	980 (cont)	
LM End	10.10	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.241300 °		38.241300 °
				-121.542967 °		-121.542967 °
DWR ID	22281					
Comment Code						
Inspector Comment						
FS_ID:30406						
DS_ID:22281						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Actuator for Gate valve is broken off.						
FIELD_STRUCT_DESC: 8-inch steel irrigation discharge pipe through the levee, invert elevation 6.5 feet below the crown. Pipe reduced to 6 inches on the slopes. Pump and gate valve on a concrete pad on the waterside (WS) slope. Siphon breaker on the landside (LS) slope. (DWR Bank Protection Project, Drawing No. 50-4-3741, Sheet 21 - Castanho). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 25.09), 6-inch pipe referenced].						
FS Date: 2/18/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_30406\_55925.jpg



Siphon Breaker in CMP riser on LS shoulder.

LM Start	10.14	Rating **	U	Issue No.	22
LM End	10.18	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.241160 °	38.241005 °
				-121.542377 °	-121.541618 °
DWR ID	DWR_RD0003_02_s_2012_22				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_22\_20190311\_00023.jpg



Looking east at dense landscape on landward shoulder and slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	10.14	Rating **	M	Issue No.	981
LM End	10.14	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.241157 °	38.241157 °
				-121.542361 °	-121.542361 °
DWR ID	22282				

**Comment Code**

**Inspector Comment**

FS\_ID:30404  
DS\_ID:22282  
EP\_NO: 3670  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: Appears abandoned as no pipe, siphon breaker, or standpipe visible on LS toe. If so, it should be abandoned properly.  
FIELD\_STRUCT\_DESC: 12-inch steel irrigation discharge pipe through the levee, 3.8 feet below the crown. Slant pump on the waterside (WS) slope. Siphon breaker on the landside (LS) shoulder. (Plans to remove an old centrifugal pump and suction pipe, to install a new propeller pump 40 feet in length along the slope of the levee, to install necessary foundation piling to support the pump, and to connect to present pipe through the levee authorized under Permit No. 3670, 1961 - Russell G. Graham. Plans to replace a section of an existing irrigation pipe with a 12-inch steel pipe through the crown of the levee authorized under Permit No. 17837, 2004 - Ron Galindo). [Additional Reference(s): DWR Levee Log, 1993].  
FS Date: 2/18/2014

LM Start	<b>10.14</b>	Rating **	M	Issue No.	<b>981 (cont)</b>
LM End	<b>10.14</b>	Issue Type +	En	Location *	

Photo 1 of 2 : UCIP\_SP\_2019\_30404\_55924.jpg



Pipe and slant pump visible on WS slope.

Photo 2 of 2 : UCIP\_SP\_2019\_30404\_55923.jpg



Pipe and slant pump visible on WS slope.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	10.15	Rating **	U	Issue No.	170
LM End	10.15	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.241125 °	38.241125 °
				-121.542075 °	-121.542075 °
DWR ID	DWR_RD0003_02_s_2018_170				
Comment Code					
TR : Tree or limb					
Inspector Comment					
There is a fallen tree on the landside slope.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_170\_20190311\_00146.jpg



Fallen tree on landside slope.

LM Start	10.39	Rating **	M	Issue No.	67
LM End	10.39	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.240077 °	38.240077 °
				-121.537812 °	-121.537812 °
DWR ID	DWR_RD0003_02_f_2018_67				
Comment Code					
V6 : Landscaping					
Inspector Comment					
There are century plants on the landside.					

No Photos

LM Start	10.43	Rating **	M	Issue No.	81
LM End	10.43	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.239850 °	38.239850 °
				-121.537237 °	-121.537237 °
DWR ID	DWR_RD0003_02_s_2013_81				
Comment Code					
V6 : Landscaping					
Inspector Comment					
There is a century plant on the landside shoulder.					

Photo 1 of 2 : SP\_2019\_RD0003\_25\_81\_20190311\_00059.jpg



Looking west at century plant on landward slope. (Spring 2015)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	10.43	Rating **	M	Issue No.	81 (cont)	
LM End	10.43	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.239850 °		38.239850 °
				-121.537237 °		-121.537237 °
DWR ID	DWR_RD0003_02_s_2013_81					
Comment Code						
V6 : Landscaping						
Inspector Comment						
There is a century plant on the landside shoulder.						

Photo 2 of 2 : SP\_2019\_RD0003\_25\_81\_20190311\_00060.jpg



Looking northwest at century plant on landward shoulder and slope.

LM Start	10.53	Rating **	U	Issue No.	66
LM End	10.53	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.239462 °	38.239462 °
				-121.535462 °	-121.535462 °
DWR ID	DWR_RD0003_02_s_2012_66				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_66\_20190311\_00043.jpg



Landscaping on levee slope and toe obstructs access and visibility.

LM Start	10.69	Rating **	M	Issue No.	174
LM End	10.69	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.238921 °	38.238921 °
				-121.532573 °	-121.532573 °
DWR ID	DWR_RD0003_02_f_2017_174				
Comment Code					
FE : Fence					
Inspector Comment					
There is a barbed wire fence at the landside toe blocking access.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_174\_20190311\_00147.jpg



Looking northeast at the landside slope.

\* Location  
LS : Land Side N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable N : Not Inspected/Rated  
M : Minimally Acceptable C : Corrected  
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	10.74	Rating **	U	Issue No.	68
LM End	10.90	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.238788 °	38.238959 °
				-121.531698 °	-121.528758 °
DWR ID	DWR_RD0003_02_s_2012_68				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_68\_20190311\_00044.jpg



Looking west at dense landscaping on landward shoulder and slope.

LM Start	10.75	Rating **	U	Issue No.	183
LM End	10.79	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.238772 °	38.238753 °
				-121.531523 °	-121.530789 °
DWR ID	DWR_RD0003_02_s_2019_183				
Comment Code					
FE : Fence					
Inspector Comment					
There is a wrought iron fence on the landside.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_183\_20190404\_00333.jpg



View of wrought iron fence on the landside shoulder (Spring 2019).

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	10.75	Rating **	M	Issue No.	982	
LM End	10.75	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.238768 °	38.238768 °	
				-121.531512 °	-121.531512 °	
DWR ID	22284					
Comment Code						
Inspector Comment						
FS_ID:30391 DS_ID:22284 EP_NO: 9442 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Good candidate for video inspection. FIELD_STRUCT_DESC: 8-inch steel irrigation discharge pipe through the levee, invert elevation 7.5 feet below the crown. Pump and gate valve on the waterside (WS) slope. 4-foot by 4-foot concrete distribution box at the landside (LS) toe, next to a power pole and meter. 1.5-inch electrical conduit through the levee at the same location. (Retention of an irrigation pumping plant, centrifugal pump, and accessories in a corrugated metal shed on the WS levee slope and an 8-inch pipe through the levee above the floodplain authorized under Automatic Board Order (ABO) issued as Permit No. 9442, 1974 - Frank Gwerder). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 25.74), 6-inch pipe referenced]. FS Date: 2/18/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_30391\_55899.jpg



Pump and gate valve in pumphouse on WS slope.

LM Start	10.75	Rating **	M	Issue No.	982 (cont)
LM End	10.75	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_30391\_55898.jpg



Pipe and conduit visible on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	10.75	Rating **	M	Issue No.	982 (cont)	
LM End	10.75	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.238768 °	38.238768 °	
				-121.531512 °	-121.531512 °	
DWR ID	22284					
Comment Code						
Inspector Comment						
FS_ID:30391 DS_ID:22284 EP_NO: 9442 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Good candidate for video inspection. FIELD_STRUCT_DESC: 8-inch steel irrigation discharge pipe through the levee, invert elevation 7.5 feet below the crown. Pump and gate valve on the waterside (WS) slope. 4-foot by 4-foot concrete distribution box at the landside (LS) toe, next to a power pole and meter. 1.5-inch electrical conduit through the levee at the same location. (Retention of an irrigation pumping plant, centrifugal pump, and accessories in a corrugated metal shed on the WS levee slope and an 8-inch pipe through the levee above the floodplain authorized under Automatic Board Order (ABO) issued as Permit No. 9442, 1974 - Frank Gwerder). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 25.74), 6-inch pipe referenced]. FS Date: 2/18/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_30391\_55897.jpg



Pump in pumphouse on WS slope.

LM Start	10.88	Rating **	M	Issue No.	164
LM End	10.88	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.238861 °	38.238861 °
				-121.529074 °	-121.529074 °
DWR ID	DWR_RD0003_02_f_2017_164				
Comment Code					
V6 : Landscaping					
Inspector Comment					
A century plant is on the waterside.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	10.90	Rating **	U	Issue No.	160
LM End	11.08	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.238962 °	38.239706 °
				-121.528842 °	-121.525707 °
DWR ID	DWR_RD0003_02_s_2018_160				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Row of closely-spaced trees at landside toe inhibits inspection and prevents access.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_160\_20190311\_00138.jpg



Trees at landside toe.

LM Start	10.99	Rating **	M	Issue No.	163
LM End	10.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.239377 °	38.239377 °
				-121.527177 °	-121.527177 °
DWR ID	DWR_RD0003_02_f_2018_163				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove dead branch from the landside slope.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_163\_20190311\_00139.jpg



View of dead branch on landside slope (October 2018).

LM Start	11.10	Rating **	U	Issue No.	84
LM End	11.10	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.239730 °	38.239730 °
				-121.525190 °	-121.525190 °
DWR ID	DWR_RD0003_02_s_2013_84				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Oleander and cactus are on the landside shoulder.					

Photo 1 of 2 : SP\_2019\_RD0003\_25\_84\_20190311\_00064.jpg



Looking west at dense landscaping on landward slope and toe. (Spring 2015)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	11.10	Rating **	U	Issue No.	84 (cont)	
LM End	11.10	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.239730 °		38.239730 °
				-121.525190 °		-121.525190 °
DWR ID	DWR_RD0003_02_s_2013_84					
Comment Code						
V6 : Landscaping						
Inspector Comment						
Oleander and cactus are on the landside shoulder.						

Photo 2 of 2 : SP\_2019\_RD0003\_25\_84\_20190311\_00065.jpg



Looking northwest at dense landscaping on landward shoulder and slope.

LM Start	11.13	Rating **	U	Issue No.	153
LM End	11.13	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.239858 °	38.239858 °
				-121.524747 °	-121.524747 °
DWR ID	DWR_RD0003_02_s_2018_153				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Row of closely-spaced trees at landside toe inhibits inspection and prevents access.					

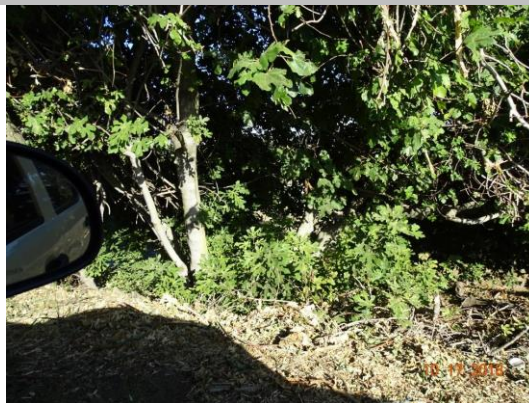
Photo 1 of 1 : SP\_2019\_RD0003\_25\_153\_20190311\_00133.jpg



Row of trees at landside toe.

LM Start	11.21	Rating **	U	Issue No.	148
LM End	11.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.239968 °	38.239968 °
				-121.523293 °	-121.523293 °
DWR ID	DWR_RD0003_02_f_2018_148				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trim fig trees that are sprouting.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_148\_20190311\_00122.jpg



View of newly sprouting fig trees on the landside slope (October 2018).

\* Location  
LS : Land Side N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable N : Not Inspected/Rated  
M : Minimally Acceptable C : Corrected  
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	11.21	Rating **	M	Issue No.	173
LM End	11.21	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.239952 °	38.239952 °
				-121.523243 °	-121.523243 °
DWR ID	DWR_RD0003_02_f_2017_173				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	11.25	Rating **	M	Issue No.	983
LM End	11.25	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.239992 °	38.239992 °
				-121.522463 °	-121.522463 °
DWR ID	22288				
Comment Code					
Inspector Comment					
FS_ID:30364 DS_ID:22288 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Annular space not grouted. FIELD_STRUCT_DESC: 8-inch steel irrigation discharge pipe through the levee, invert elevation 6.7 feet below the crown. A 4-inch polyvinyl chloride (PVC) pipe is sleeved through the 8-inch pipe. Pump and gate valve in a pump house on the waterside (WS) slope. (Johnson). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 26.25)]. FS Date: 2/18/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_30364\_55846.jpg



PVC pipe, pole, and meter visible on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	11.25	Rating **	M	Issue No.	983 (cont)	
LM End	11.25	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.239992 °	38.239992 °	
				-121.522463 °	-121.522463 °	
DWR ID	22288					
Comment Code						
Inspector Comment						
FS_ID:30364 DS_ID:22288 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Annular space not grouted. FIELD_STRUCT_DESC: 8-inch steel irrigation discharge pipe through the levee, invert elevation 6.7 feet below the crown. A 4-inch polyvinyl chloride (PVC) pipe is sleeved through the 8-inch pipe. Pump and gate valve in a pump house on the waterside (WS) slope. (Johnson). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 26.25)]. FS Date: 2/18/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_30364\_55845.jpg



Pipe visible in abandoned pumphouse on WS slope.

LM Start	11.25	Rating **	M	Issue No.	983 (cont)
LM End	11.25	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_30364\_55844.jpg



Shutoff valve at pump on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	11.26	Rating **	U	Issue No.	201
LM End	11.26	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.240012 °	38.240012 °
				-121.522418 °	-121.522418 °
DWR ID	DWR_RD0003_02_f_2018_201				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove fallen tree limbs from the waterside slope.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_201\_20190311\_00158.jpg



View of fallen tree that has been chopped up on the waterside slope (October 2018).

LM Start	11.33	Rating **	M	Issue No.	118
LM End	11.41	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.239870 °	38.239992 °
				-121.520989 °	-121.519542 °
DWR ID	DWR_RD0003_02_f_2018_118				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 26.3 R					
Status: Repaired					
2018: Still pocket of erosion into waterside toe.					
2017 Field Notes: Repaired by locals.					
Site History: 2009 - Hole left in levee toe from a fallen tree. Could be repaired under maintenance. 2010 - Minor new erosion. 2015 - Minor new erosion at toe.					

Photo 1 of 3 : SP\_2019\_RD0003\_25\_118\_20190311\_00080.jpg



View of erosion at the waterside toe (October 2018).

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	11.33	Rating **	M	Issue No.	118 (cont)	
LM End	11.41	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 USACE Erosion Survey, DRAFT			38.239870 °	38.239992 °	
				-121.520989 °	-121.519542 °	
DWR ID	DWR_RD0003_02_f_2018_118					
Comment Code						
Inspector Comment						
2017 Site ID: SAC 26.3 R						
Status: Repaired						
2018: Still pocket of erosion into waterside toe.						
2017 Field Notes: Repaired by locals.						
Site History: 2009 - Hole left in levee toe from a fallen tree. Could be repaired under maintenance. 2010 - Minor new erosion. 2015 - Minor new erosion at toe.						

Photo 2 of 3 : SP\_2019\_RD0003\_25\_118\_20190311\_00081.jpg



USACE 2013 Photo #1

LM Start	<b>11.33</b>	Rating **	M	Issue No.	<b>118 (cont)</b>
LM End	<b>11.41</b>	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : SP\_2019\_RD0003\_25\_118\_20190311\_00082.jpg



USACE 2013 Photo #2

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	11.43	Rating **	M	Issue No.	162
LM End	11.43	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.240198 °	38.240198 °
				-121.519290 °	-121.519290 °
DWR ID	DWR_RD0003_02_s_2019_162				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove tree limbs from the landside slope.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_162\_20190404\_00332.jpg



View looking downslope at fallen tree limbs on the landside slope (Spring 2019).

LM Start	11.55	Rating **	M	Issue No.	24
LM End	11.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.241093 °	38.241300 °
				-121.517378 °	-121.517073 °
DWR ID	DWR_RD0003_02_s_2012_24				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	11.58	Rating **	M	Issue No.	155
LM End	11.58	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.241412 °	38.241412 °
				-121.517027 °	-121.517027 °
DWR ID	DWR_RD0003_02_s_2015_155				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Remove cactus from the landside slope.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_155\_20190311\_00135.jpg



Looking southwest at cactus on landward slope and toe.

\* Location  
LS : Land Side N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable N : Not Inspected/Rated  
M : Minimally Acceptable C : Corrected  
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	11.59	Rating **	M	Issue No.	172
LM End	11.64	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.241476 °	38.241990 °
				-121.516883 °	-121.516269 °
DWR ID	DWR_RD0003_02_f_2017_172				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Century plants are on the landside slope.					

No Photos

LM Start	11.60	Rating **	M	Issue No.	202
LM End	11.60	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.241630 °	38.241630 °
				-121.516703 °	-121.516703 °
DWR ID	DWR_RD0003_02_f_2018_202				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Century plants are on the waterside.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	11.62	Rating **	M	Issue No.	984
LM End	11.62	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.241867 °	38.241867 °
				-121.516439 °	-121.516439 °
DWR ID	22290				
Comment Code					
Inspector Comment					
FS_ID:30363					
DS_ID:22290					
EP_NO: 665					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Appears abandoned and if so should be done so properly.					
FIELD_STRUCT_DESC: 10-inch steel irrigation discharge pipe through the levee, invert elevation 2.8 feet below the crown. Pump on a pile structure in the river. 5-foot by 5-foot concrete distribution box at the landside (LS) toe with a meter pole. (Plans for the installation of a 10-inch, 10-gauge discharge pipe through the levee Permit No. 665, 1936 - C. T. Vollman). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 26.62)].					
FS Date: 2/18/2014					

LM Start	<b>11.62</b>	Rating **	M	Issue No.	<b>984 (cont)</b>
LM End	<b>11.62</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_30363\_55842.jpg



Concrete distribution box and meter on pole on LS toe.

Photo 2 of 3 : UCIP\_SP\_2019\_30363\_55841.jpg



Pipe and distro box visible at left side of photo.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	11.62	Rating **	M	Issue No.	984 (cont)	
LM End	11.62	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.241867 °	38.241867 °	
				-121.516439 °	-121.516439 °	
DWR ID	22290					
Comment Code						
Inspector Comment						
FS_ID:30363						
DS_ID:22290						
EP_NO: 665						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Appears abandoned and if so should be done so properly.						
FIELD_STRUCT_DESC: 10-inch steel irrigation discharge pipe through the levee, invert elevation 2.8 feet below the crown. Pump on a pile structure in the river. 5-foot by 5-foot concrete distribution box at the landside (LS) toe with a meter pole. (Plans for the installation of a 10-inch, 10-gauge discharge pipe through the levee Permit No. 665, 1936 - C. T. Vollman). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 26.62)].						
FS Date: 2/18/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_30363\_55840.jpg



Pipe visible in foreground next to oak.

LM Start	11.62	Rating **	M	Issue No.	985
LM End	11.62	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.241869 °	38.241869 °
				-121.516436 °	-121.516436 °
DWR ID	22320				
Comment Code					
Inspector Comment					
FS_ID:30352 DS_ID:22320 EP_NO: 16053 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Annular space not grouted. FIELD_STRUCT_DESC: 1 of 4: 6-inch galvanized iron electrical conduit through the levee, 3 feet below the crown. 2-inch polyvinyl chloride (PVC) and 1-inch PVC electrical conduits sleeved through the 6-inch conduit. (Plans to install four 6-inch pipe casings through the levee authorized under Permit No. 16053, 1993 - Vollman-Clark Ranch, DCC Engineering Company, Inc). FS Date: 2/18/2014					

Photo 1 of 2 : UCIP\_SP\_2019\_30352\_55824.jpg



Electrical conduit visible on LS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	11.62	Rating **	M	Issue No.	985 (cont)	
LM End	11.62	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.241869 °		38.241869 °
				-121.516436 °		-121.516436 °
DWR ID	22320					
Comment Code						
Inspector Comment						
FS_ID:30352 DS_ID:22320 EP_NO: 16053 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Annular space not grouted. FIELD_STRUCT_DESC: 1 of 4: 6-inch galvanized iron electrical conduit through the levee, 3 feet below the crown. 2-inch polyvinyl chloride (PVC) and 1-inch PVC electrical conduits sleeved through the 6-inch conduit. (Plans to install four 6-inch pipe casings through the levee authorized under Permit No. 16053, 1993 - Vollman-Clark Ranch, DCC Engineering Company, Inc). FS Date: 2/18/2014						

Photo 2 of 2 : UCIP\_SP\_2019\_30352\_55823.jpg



Both electrical conduits and 6-inch galvanized iron conduit visible at left in photo.

LM Start	11.63	Rating **	M	Issue No.	986
LM End	11.63	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.241872 °	38.241872 °
				-121.516433 °	-121.516433 °
DWR ID	22356				
Comment Code					
Inspector Comment					
FS_ID:30353 DS_ID:22356 EP_NO: 16053 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Annular space not grouted. FIELD_STRUCT_DESC: 2 of 4: 6-inch galvanized iron electrical conduit through the levee, 3 feet below the crown. 4-inch steel electrical conduit sleeved through the 6-inch conduit. Electrical panel visible on the landside (LS) toe. (Plans to install four 6-inch pipe casings through the levee authorized under Permit No. 16053, 1993 - Vollman-Clark Ranch, DCC Engineering Company, Inc). FS Date: 2/18/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_30353\_55827.jpg



Electrical conduit visible on LS slope.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	11.63	Rating **	M	Issue No.	986 (cont)	
LM End	11.63	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.241872 °	38.241872 °	
				-121.516433 °	-121.516433 °	
DWR ID	22356					
Comment Code						
Inspector Comment						
FS_ID:30353 DS_ID:22356 EP_NO: 16053 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Annular space not grouted. FIELD_STRUCT_DESC: 2 of 4: 6-inch galvanized iron electrical conduit through the levee, 3 feet below the crown. 4-inch steel electrical conduit sleeved through the 6-inch conduit. Electrical panel visible on the landside (LS) toe. (Plans to install four 6-inch pipe casings through the levee authorized under Permit No. 16053, 1993 - Vollman-Clark Ranch, DCC Engineering Company, Inc). FS Date: 2/18/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_30353\_55826.jpg



Electrical panel visible on LS toe.

LM Start	<b>11.63</b>	Rating **	M	Issue No.	<b>986 (cont)</b>
LM End	<b>11.63</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_30353\_55825.jpg



Electrical conduit visible at WS shoulder at 6-inch conduit it is sleeved through.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	11.63	Rating **	M	Issue No.	987	
LM End	11.63	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.241876 °	38.241876 °	
				-121.516428 °	-121.516428 °	
DWR ID	22357					
Comment Code						
Inspector Comment						
FS_ID:30356 DS_ID:22357 EP_NO: 16053 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Annular space not grouted. FIELD_STRUCT_DESC: 3 of 4: 6-inch galvanized iron water line conduit through the levee, 3 feet below the crown. 4.5-inch polyvinyl chloride (PVC) water line is sleeved through the 6-inch conduit. Vent on the landside (LS) slope. Backflow preventer with two shutoff valves visible on the waterside (WS) shoulder. (Plans to install four 6-inch pipe casings through the levee authorized under Permit No. 16053, 1993 - Vollman-Clark Ranch, DCC Engineering Company, Inc). FS Date: 2/18/2014						

LM Start	<b>11.63</b>	Rating **	M	Issue No.	<b>987 (cont)</b>
LM End	<b>11.63</b>	Issue Type +	En	Location *	

Photo 1 of 2 : UCIP\_SP\_2019\_30356\_55833.jpg



Vent or siphon breaker visible on LS shoulder along with 4.5-inch PVC waterline.

Photo 2 of 2 : UCIP\_SP\_2019\_30356\_55832.jpg



Blue backflow preventer with two shutoff valves visible on WS shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	11.64	Rating **	M	Issue No.	71
LM End	11.73	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.242035 °	38.243125 °
				-121.516134 °	-121.515229 °
DWR ID	DWR_RD0003_02_s_2012_71				
Comment Code					
BU : Building					
Inspector Comment					
There are buildings along this stretch in Walnut Grove.					

No Photos

LM Start	11.81	Rating **	M	Issue No.	988	
LM End	11.81	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.243865 °	38.243865 °	
				-121.514241 °	-121.514241 °	
DWR ID	22292					
Comment Code						
Inspector Comment						
FS_ID:30345						
DS_ID:22292						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Depression over pipe at crown may indicate pipe is failing.						
FIELD_STRUCT_DESC: *ABANDONED* 12-inch welded steel irrigation discharge pipe through the levee, invert elevation 5 feet below the crown. Pipe was cut off and filled with concrete on the waterside (WS) slope. Pipe was cut off and left open on the WS end. (Plans to install a 7.5-horsepower angle mounted irrigation pump and a 12-inch, 10-gauge welded steel discharge pipe through the levee authorized under Permit No. 5428, 1966 - Grand Island Farms). [Additional Reference(s): DWR Levee Log, 1993, 10-inch pipe referenced. USACE Sacramento O&M Manual 104, February 1960, (RM 26.80), 10-inch pipe referenced].						
FS Date: 2/18/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_30345\_55789.jpg



Pipe with concrete fill on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	11.81	Rating **	M	Issue No.	988 (cont)	
LM End	11.81	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.243865 °	38.243865 °	
				-121.514241 °	-121.514241 °	
DWR ID	22292					
Comment Code						
Inspector Comment						
FS_ID:30345 DS_ID:22292 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Depression over pipe at crown may indicate pipe is failing. FIELD_STRUCT_DESC: *ABANDONED* 12-inch welded steel irrigation discharge pipe through the levee, invert elevation 5 feet below the crown. Pipe was cut off and filled with concrete on the waterside (WS) slope. Pipe was cut off and left open on the WS end. (Plans to install a 7.5-horsepower angle mounted irrigation pump and a 12-inch, 10-gauge welded steel discharge pipe through the levee authorized under Permit No. 5428, 1966 - Grand Island Farms). [Additional Reference(s): DWR Levee Log, 1993, 10-inch pipe referenced. USACE Sacramento O&M Manual 104, February 1960, (RM 26.80), 10-inch pipe referenced]. FS Date: 2/18/2014						

LM Start	11.81	Rating **	M	Issue No.	988 (cont)
LM End	11.81	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_30345\_55788.jpg



Pipe visible just downstream and downhill from Cork Oak on WS shoulder.

Photo 3 of 3 : UCIP\_SP\_2019\_30345\_55787.jpg



Depression over pipe alignment in crown/roadway.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	11.81	Rating **	M	Issue No.	83
LM End	11.85	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.243915 °	38.244392 °
				-121.514254 °	-121.513740 °
DWR ID	DWR_RD0003_02_s_2012_83				
Comment Code					
V6 : Landscaping					
Inspector Comment					
There is dense landscaping on the landside slope.					

LM Start	<b>11.81</b>	Rating **	M	Issue No.	<b>83 (cont)</b>
LM End	<b>11.85</b>	Issue Type +	En	Location *	LS

Photo 1 of 2 : SP\_2019\_RD0003\_25\_83\_20190311\_00062.jpg



Looking north at dense landscaping on landside shoulder and slope.

Photo 2 of 2 : SP\_2019\_RD0003\_25\_83\_20190311\_00063.jpg



Looking south at dense landscaping on landward shoulder and slope.

LM Start	11.90	Rating **	M	Issue No.	86
LM End	11.90	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.244942 °	38.244942 °
				-121.513132 °	-121.513132 °
DWR ID	DWR_RD0003_02_s_2013_86				
Comment Code					
AV : Abandoned vehicles					
Inspector Comment					
Abandoned vehicles and material are on the landside toe.					

Photo 1 of 2 : SP\_2019\_RD0003\_25\_86\_20190311\_00066.jpg



Looking south at abandoned vehicles and material on landward slope and toe.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	11.90	Rating **	M	Issue No.	86 (cont)	
LM End	11.90	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Encroachments			38.244942 °	38.244942 °	
				-121.513132 °	-121.513132 °	
DWR ID	DWR_RD0003_02_s_2013_86					
Comment Code						
AV : Abandoned vehicles						
Inspector Comment						
Abandoned vehicles and material are on the landside toe.						

Photo 2 of 2 : SP\_2019\_RD0003\_25\_86\_20190311\_00067.jpg



Looking north at abandoned vehicles on landward toe.

LM Start	11.99	Rating **	M	Issue No.	268
LM End	11.99	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.246022 °	38.246022 °
				-121.512328 °	-121.512328 °
DWR ID	DWR_RD0003_02_s_2012_268				
Comment Code					
RA : Ramp					
Inspector Comment					
Landowner installed a new ramp without a board permit.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_268\_20190311\_00161.jpg



Looking north at new ramp on landside slope.

LM Start	11.99	Rating **	M	Issue No.	267
LM End	11.99	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.246025 °	38.246025 °
				-121.512327 °	-121.512327 °
DWR ID	DWR_RD0003_02_s_2012_267				
Comment Code					
FE : Fence					
Inspector Comment					
Landowner installed a new fence on the landside of levee.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_267\_20190311\_00160.jpg



Looking north at new fence on landside shoulder and slope.

\* Location  
LS : Land Side N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable N : Not Inspected/Rated  
M : Minimally Acceptable C : Corrected  
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	12.01	Rating **	U	Issue No.	31
LM End	12.08	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.246310 °	38.247332 °
				-121.512157 °	-121.511773 °
DWR ID	DWR_RD0003_02_s_2012_31				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Landscaping and a wooden fence are on the landside slope.					

LM Start	<b>12.01</b>	Rating **	U	Issue No.	<b>31 (cont)</b>
LM End	<b>12.08</b>	Issue Type +	En	Location *	LS

Photo 1 of 2 : SP\_2019\_RD0003\_25\_31\_20190311\_00026.jpg



Looking northwest at the wooden fence on landward shoulder.

Photo 2 of 2 : SP\_2019\_RD0003\_25\_31\_20190311\_00027.jpg



Looking west at dense landscaping on landside shoulder and slope.

LM Start	12.04	Rating **	M	Issue No.	115
LM End	17.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.246690 °	38.302622 °
				-121.511985 °	-121.572522 °
DWR ID	DWR_RD0003_02_s_2019_115				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Control annual vegetation.					

Photo 1 of 2 : SP\_2019\_RD0003\_25\_115\_20190404\_00325.jpg



View looking downstream at annual vegetation on the landside slope (Spring 2019).

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	12.04	Rating **	M	Issue No.	115 (cont)	
LM End	17.21	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.246690 °		38.302622 °
				-121.511985 °		-121.572522 °
DWR ID	DWR_RD0003_02_s_2019_115					
Comment Code						
V1 : Control annual grass and weeds on the levee slopes and easements.						
Inspector Comment						
Control annual vegetation.						

Photo 2 of 2 : SP\_2019\_RD0003\_25\_115\_20190404\_00326.jpg



View looking downstream at annual vegetation on the landside slope (Spring 2019).

LM Start	12.04	Rating **	M	Issue No.	32
LM End	12.18	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.246802 °	38.248682 °
				-121.511956 °	-121.511657 °
DWR ID	DWR_RD0003_02_s_2012_32				
Comment Code					
V6 : Landscaping					
Inspector Comment					
An oleander is partially blocking the view of levee on the landside slope.					

Photo 1 of 2 : SP\_2019\_RD0003\_25\_32\_20190311\_00028.jpg



Looking northwest at trimmed oleander partially blocking view of landward slope. (Spring 2015)

LM Start	<b>12.04</b>	Rating **	M	Issue No.	<b>32 (cont)</b>
LM End	<b>12.18</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP\_2019\_RD0003\_25\_32\_20190311\_00029.jpg



Looking northwest at oleander on landside shoulder. (Spring 2014)

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	12.14	Rating **	M	Issue No.	989	
LM End	12.14	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.248130 °	38.248130 °	
				-121.511654 °	-121.511654 °	
DWR ID	22296					
Comment Code						
Inspector Comment						
FS_ID:30306 DS_ID:22296 EP_NO: 2383 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Annular space should be grouted. No permit identified for pipes sleeved through irrigation pipe. FIELD_STRUCT_DESC: 6-inch steel irrigation discharge pipe through the levee, 4 feet below the crown. Pump and gate valve on the waterside (WS) slope. A 4-inch pipe is sleeved through the 6-inch pipe. Two conduits are sleeved through the 4-inch pipe: A 1-inch water line and a 1.5-inch electrical conduit provide service to a boat dock, 210 feet upstream from the pump. (Plans for the installation of a pump on the WS slope and a 6-inch discharge pipe through the levee, 4 feet below the crown, authorized under Permit No. 2383, 1956 - James S. and Nancy P. Moser). The 4-inch pipe and two conduits were sleeved through the 6-inch pipe at a later date and likely without a permit. [Additional Reference(s): DWR Levee Log, 1993]. FS Date: 2/18/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_30306\_55726.jpg



6-inch pipe visible on LS toe.

LM Start	12.14	Rating **	M	Issue No.	989 (cont)
LM End	12.14	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_30306\_55729.jpg



Pipe and pump visible on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	12.14	Rating **	M	Issue No.	989 (cont)	
LM End	12.14	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.248130°	38.248130°	
				-121.511654°	-121.511654°	
DWR ID	22296					
Comment Code						
Inspector Comment						
FS_ID:30306 DS_ID:22296 EP_NO: 2383 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Annular space should be grouted. No permit identified for pipes sleeved through irrigation pipe. FIELD_STRUCT_DESC: 6-inch steel irrigation discharge pipe through the levee, 4 feet below the crown. Pump and gate valve on the waterside (WS) slope. A 4-inch pipe is sleeved through the 6-inch pipe. Two conduits are sleeved through the 4-inch pipe: A 1-inch water line and a 1.5-inch electrical conduit provide service to a boat dock, 210 feet upstream from the pump. (Plans for the installation of a pump on the WS slope and a 6-inch discharge pipe through the levee, 4 feet below the crown, authorized under Permit No. 2383, 1956 - James S. and Nancy P. Moser). The 4-inch pipe and two conduits were sleeved through the 6-inch pipe at a later date and likely without a permit. [Additional Reference(s): DWR Levee Log, 1993]. FS Date: 2/18/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_30306\_55728.jpg



2-steel pipes run parallel to crown on WS slope from pump to boat walkway, 210-feet upstream from pump.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	12.28	Rating **	M	Issue No.	990
LM End	12.28	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.250168 °	38.250168 °
				-121.511907 °	-121.511907 °
DWR ID	22297				
Comment Code					
Inspector Comment					
FS_ID:30305					
DS_ID:22297					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pump and pipe abandoned and should be done so properly.					
FIELD_STRUCT_DESC: 7-inch steel irrigation discharge pipe through the levee, invert elevation 8.4 feet below the crown. Pump platform visible on the waterside (WS) slope. 1.5-inch steel electrical conduit through the levee at the same location. (H. Town). [Additional Reference(s): DWR Levee Log, 1993, 5-inch pipe referenced. USACE Sacramento O&M Manual 104, February 1960, (RM 27.29), 5-inch galvanized iron pipe referenced].					
FS Date: 2/18/2014					

LM Start	<b>12.28</b>	Rating **	M	Issue No.	<b>990 (cont)</b>
LM End	<b>12.28</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_30305\_55725.jpg



Abandoned pump platform on WS slope.

Photo 2 of 3 : UCIP\_SP\_2019\_30305\_55724.jpg



Electrical conduit, pole, and pipe remnants on LS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	12.28	Rating **	M	Issue No.	990 (cont)	
LM End	12.28	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.250168 °		38.250168 °
				-121.511907 °		-121.511907 °
DWR ID	22297					
Comment Code						
Inspector Comment						
FS_ID:30305						
DS_ID:22297						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pump and pipe abandoned and should be done so properly.						
FIELD_STRUCT_DESC: 7-inch steel irrigation discharge pipe through the levee, invert elevation 8.4 feet below the crown. Pump platform visible on the waterside (WS) slope. 1.5-inch steel electrical conduit through the levee at the same location. (H. Town). [Additional Reference(s): DWR Levee Log, 1993, 5-inch pipe referenced. USACE Sacramento O&M Manual 104, February 1960, (RM 27.29), 5-inch galvanized iron pipe referenced].						
FS Date: 2/18/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_30305\_55723.jpg



Abandoned pipe visible on LS slope.

LM Start	12.29	Rating **	U	Issue No.	34
LM End	12.36	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.250348 °	38.251292 °
				-121.511959 °	-121.512384 °
DWR ID	DWR_RD0003_02_s_2012_34				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_34\_20190311\_00030.jpg



Looking northwest at dense landscaping on landside shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	12.33	Rating **	M	Issue No.	203
LM End	12.33	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.250887 °	38.250887 °
				-121.512157 °	-121.512157 °
DWR ID	DWR_RD0003_02_f_2018_203				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove prunings on the waterside hinge point.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_203\_20190311\_00159.jpg



View of prunings on the waterside shoulder (October 2018).

LM Start	12.38	Rating **	U	Issue No.	35
LM End	12.47	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.251463 °	38.252711 °
				-121.512458 °	-121.513214 °
DWR ID	DWR_RD0003_02_s_2012_35				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Remove newly planted trees from the landside.					

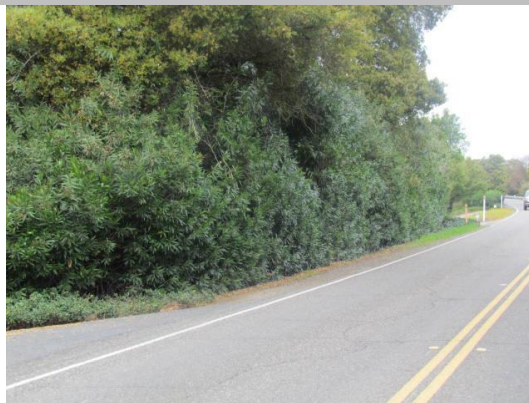
Photo 1 of 2 : SP\_2019\_RD0003\_25\_35\_20190404\_00321.jpg



View of newly planted trees on the landside slope (Spring 2019).

LM Start	<b>12.38</b>	Rating **	U	Issue No.	<b>35 (cont)</b>
LM End	<b>12.47</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP\_2019\_RD0003\_25\_35\_20190311\_00031.jpg



Looking northwest at dense landscaping on landside shoulder and slope.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	12.47	Rating **	M	Issue No.	136
LM End	12.52	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.252712 °	38.253280 °
				-121.513215 °	-121.513645 °
DWR ID	DWR_RD0003_02_s_2018_136				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Trim trees on the landside.					

No Photos

LM Start	12.54	Rating **	U	Issue No.	37
LM End	12.65	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.253593 °	38.254832 °
				-121.513883 °	-121.515098 °
DWR ID	DWR_RD0003_02_s_2012_37				
Comment Code					
V6 : Landscaping					
Inspector Comment					
There is dense landscaping on the landside shoulder and slope.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_37\_20190311\_00032.jpg



Looking northwest at dense landscaping on landside shoulder and slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	12.58	Rating **	M	Issue No.	991
LM End	12.58	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.254088 °	38.254088 °
				-121.514318 °	-121.514318 °
DWR ID	22299				
Comment Code					
Inspector Comment					
FS_ID:40544 DS_ID:22299 EP_NO: 1376 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned and should be done so properly. Pipe rusted through at various locations. FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, invert elevation 5 feet below the crown. Pump is missing from the waterside (WS) slope, and a steel plate is bolted over the end of the pipe. 42-inch concrete standpipe at the landside (LS) toe. 1.5-inch steel electrical conduit through the levee at the same location. (Plans for installing a vertical unit irrigation pumping plant and a 12-inch steel discharge pipe through the levee authorized under Permit No. 1376, 1949 - Joseph Gwerder Estate). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 27.59)]. FS Date: 2/18/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_40544\_55694.jpg



Pipe visible on LS slope.

LM Start	12.58	Rating **	M	Issue No.	991 (cont)
LM End	12.58	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_40544\_55693.jpg



Steel plate bolted over pipe end on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	12.70	Rating **	M	Issue No.	992	
LM End	12.70	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.255430 °		38.255430 °
				-121.515672 °		-121.515672 °
DWR ID	22300					
Comment Code						
Inspector Comment						
FS_ID:30286						
DS_ID:22300						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Appears abandoned and if so should be done so properly. Vent broken off pipe on both shoulders.						
FIELD_STRUCT_DESC: 2.5-inch steel domestic water line through the levee, invert elevation 4.2 feet below the crown. (Gwerder). 1.5-inch steel irrigation pipe sleeved through the 2.5-inch pipe to a pump house off the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 27.71), galvanized iron pipe referenced].						
FS Date: 2/18/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_30286\_55689.jpg



Pipe visible on WS slope with broken vent.

LM Start	<b>12.70</b>	Rating **	M	Issue No.	<b>992 (cont)</b>
LM End	<b>12.70</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_30286\_55688.jpg



Pipe visible on LS slope with broken vent.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	12.70	Rating **	M	Issue No.	992 (cont)	
LM End	12.70	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.255430 °		38.255430 °
				-121.515672 °		-121.515672 °
DWR ID	22300					
Comment Code						
Inspector Comment						
FS_ID:30286 DS_ID:22300 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly. Vent broken off pipe on both shoulders. FIELD_STRUCT_DESC: 2.5-inch steel domestic water line through the levee, invert elevation 4.2 feet below the crown. (Gwerder). 1.5-inch steel irrigation pipe sleeved through the 2.5-inch pipe to a pump house off the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 27.71), galvanized iron pipe referenced]. FS Date: 2/18/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_30286\_55687.jpg



Pipe visible on LS slope.

LM Start	12.73	Rating **	M	Issue No.	89	
LM End	12.78	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.255769 °		38.256285 °
				-121.516069 °		-121.516567 °
DWR ID	DWR_RD0003_02_s_2013_89					
Comment Code						
V6 : Landscaping						
Inspector Comment						

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	12.87	Rating **	M	Issue No.	171
LM End	12.87	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.257107 °	38.257107 °
				-121.517858 °	-121.517858 °
DWR ID	DWR_RD0003_02_f_2017_171				
Comment Code					
V6 : Landscaping					
Inspector Comment					
There are multiple century plants on the landside slope.					

No Photos

LM Start	12.88	Rating **	N	Issue No.	135
LM End	12.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.257244 °	38.257244 °
				-121.518037 °	-121.518037 °
DWR ID	DWR_RD0003_02_s_2018_135				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
There is a tree stump at levee toe.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_135\_20190404\_00331.jpg



View looking downslope at tree trunk at the bottom of the landside slope (Spring 2019).

LM Start	12.97	Rating **	U	Issue No.	147
LM End	12.97	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.258108 °	38.258108 °
				-121.519272 °	-121.519272 °
DWR ID	DWR_RD0003_02_s_2019_147				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove the large log from the landside slope.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_147\_20190404\_00330.jpg



View looking downslope at tree trunk on the landside slope (Spring 2019).

\* Location  
LS : Land Side N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable N : Not Inspected/Rated  
M : Minimally Acceptable C : Corrected  
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	13.03	Rating **	M	Issue No.	82
LM End	13.06	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.258703 °	38.259003 °
				-121.520160 °	-121.520557 °
DWR ID	DWR_RD0003_02_s_2012_82				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Dense landscaping is blocking the view of the landside slope and toe.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_82\_20190311\_00061.jpg



Looking west at dense landscaping on landside shoulder and slope.

LM Start	13.06	Rating **	M	Issue No.	133
LM End	13.06	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.258962 °	38.258962 °
				-121.520385 °	-121.520385 °
DWR ID	DWR_RD0003_02_s_2017_133				
Comment Code					
PR : Prunings					
Inspector Comment					
Debris and prunings are at the landside toe.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_133\_20190311\_00097.jpg



Looking southwest at the landside slope.

\* Location  
LS : Land Side N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable N : Not Inspected/Rated  
M : Minimally Acceptable C : Corrected  
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	13.15	Rating **	A/W	Issue No.	139 (cont)	
LM End	13.17	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.260042 °	38.260219 °	
				-121.521581 °	-121.521803 °	
DWR ID	DWR_RD0003_02_f_2017_139					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description: District station 694+80 to 695+69, Sec. 27, 1. 5 N. R. 4 E., M.D.M. Approximately 89 linear feet of erosion and sloughing exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/2 of the way down the slope from the crown and extends into the rip rap.						
Site ID No: 281						
Site Designation: LMA-107						
Repair Type: Erosion						
Rating: Area of Concern						
Field Date: 7/26/2017						
Notes:						

Photo 3 of 3 : SP\_2019\_RD0003\_25\_139\_20190311\_00109.jpg



LM Start	13.17	Rating **	M	Issue No.	141
LM End	13.17	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.260095 °	38.260095 °
				-121.521927 °	-121.521927 °
DWR ID	DWR_RD0003_02_s_2019_141				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove tree limbs from the landside.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	13.36	Rating **	M	Issue No.	128
LM End	13.36	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.262027 °	38.262027 °
				-121.524312 °	-121.524312 °
DWR ID	DWR_RD0003_02_f_2018_128				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Oleanders are blocking the view of the landside slope.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_128\_20190311\_00090.jpg



View of oleanders on the landside toe (October 2018).

LM Start	13.36	Rating **	M	Issue No.	9
LM End	13.36	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.262125 °	38.262125 °
				-121.524405 °	-121.524405 °
DWR ID	DWR_RD0003_02_s_2012_9				
Comment Code					
ST : Stairway					
Inspector Comment					
Landowner installed unauthorized stairs on the landside slope. There is no permit on record for these stairs.					

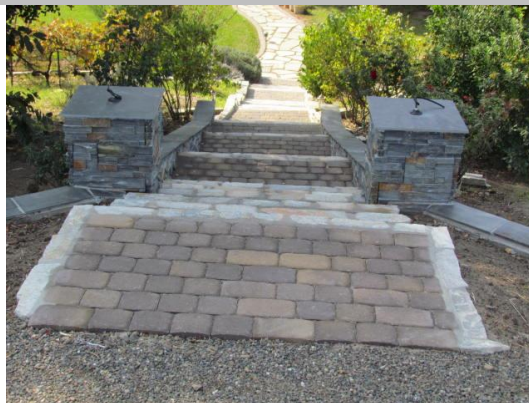
Photo 1 of 2 : SP\_2019\_RD0003\_25\_9\_20190311\_00009.jpg



Looking northwest at stairs on landside slope.

LM Start	<b>13.36</b>	Rating **	M	Issue No.	<b>9 (cont)</b>
LM End	<b>13.36</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP\_2019\_RD0003\_25\_9\_20190311\_00010.jpg



Looking west at stairs on landside slope.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	13.40	Rating **	M	Issue No.	99
LM End	13.40	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.262449 °	38.262449 °
				-121.524899 °	-121.524899 °
DWR ID	DWR_RD0003_02_f_2015_99				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Figs trees and other plants are blocking the view of the landside slope.					

Photo 1 of 2 : SP\_2019\_RD0003\_25\_99\_20190311\_00075.jpg



Looking westly at dense vegetation on landward shoulder and slope. (Spring 2016)

LM Start	<b>13.40</b>	Rating **	M	Issue No.	<b>99 (cont)</b>
LM End	<b>13.40</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP\_2019\_RD0003\_25\_99\_20190311\_00076.jpg



Looking westly at fig trees on landward slope. (Fall 2016)

LM Start	13.43	Rating **	A/W	Issue No.	204
LM End	13.43	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.262822 °	-121.525300 °
				38.262822 °	-121.525300 °
DWR ID	DWR_RD0003_02_s_2019_204				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Inspect potential erosion spot further when vegetation is less dense in the fall.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_204\_20190404\_00319.jpg



View looking across the Sacramento River at potential erosion spot towards the top of the waterside slope (Spring 2019).

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	13.70	Rating **	M	Issue No.	993
LM End	13.70	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.265474 °	38.265474 °
				-121.528819 °	-121.528819 °
DWR ID	22306				
Comment Code					
Inspector Comment					
FS_ID:41585 DS_ID:22306 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Steel plate broken and pipe open on WS slope. Pipe abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 12-inch steel irrigation pipe through the levee, 6 feet below the crown. (Steel plate welded on the waterside [WS] end by USACE, Unit 15, in 1969). [Additional Reference(s): DWR Levee Log, 1993]. FS Date: 2/18/2014					

LM Start	13.70	Rating **	M	Issue No.	993 (cont)
LM End	13.70	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_41585\_55628.jpg



Pipe visible on WS slope.

Photo 2 of 3 : UCIP\_SP\_2019\_41585\_55627.jpg



Pipe open on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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# Reclamation District No. 0003 Grand Island

* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enfringement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	13.70	Rating **	M	Issue No.	994 (cont)	
LM End	13.70	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.265479 °	38.265479 °	
				-121.528825 °	-121.528825 °	
DWR ID	22307					
Comment Code						
Inspector Comment						
FS_ID:30204 DS_ID:22307 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Abandoned and should be done so properly as it is open on both ends. FIELD_STRUCT_DESC: *ABANDONED* 2-inch electrical conduit of an unknown material through the levee, 5.5 feet below the crown. (Open on both ends by USACE, Unit 15, in 1969). [Additional Reference(s): DWR Levee Log, 1993]. FS Date: 2/18/2014						

Photo 2 of 3 : UCIP\_SP\_2019\_30204\_55604.jpg



Pipe visible on WS slope.

LM Start	<b>13.70</b>	Rating **	M	Issue No.	<b>994 (cont)</b>
LM End	<b>13.70</b>	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP\_SP\_2019\_30204\_55603.jpg



Pipe open on both ends.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	<b>13.73</b>	Rating **	M	Issue No.	<b>90</b>
LM End	<b>13.73</b>	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		38.265763 °	38.265763 °	
			-121.529158 °	-121.529158 °	
DWR ID	DWR_RD0003_02_s_2013_90				
Comment Code					
V6 : Landscaping					
Inspector Comment					

No Photos

LM Start	<b>13.86</b>	Rating **	A/W	Issue No.	<b>169</b>
LM End	<b>13.86</b>	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		38.267084 °	38.267084 °	
			-121.530939 °	-121.530939 °	
DWR ID	DWR_RD0003_02_f_2017_169				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_169\_20190311\_00145.jpg



Looking southeast at the landside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	13.88	Rating **	M	Issue No.	995	
LM End	13.88	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.267355 °		38.267355 °
				-121.531262 °		-121.531262 °
DWR ID	22308					
Comment Code						
Inspector Comment						
FS_ID:30203 DS_ID:22308 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Erosion next to pipe on LS slope. FIELD_STRUCT_DESC: 16-inch steel irrigation discharge pipe through the levee, 3 feet below the crown. 14-inch pipe sleeved through the 16-inch pipe and a 1.5-inch steel electrical conduit at the same location. Slant pump on the waterside (WS) slope and a filter plant at the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1993, referenced as 5.6 feet below the crown. USACE Sacramento O&M Manual 104, February 1960, (RM 28.91), referenced as invert elevation 5.6 feet below the crown]. FS Date: 2/14/2014						

LM Start	<b>13.88</b>	Rating **	M	Issue No.	<b>995 (cont)</b>
LM End	<b>13.88</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_30203\_55602.jpg



Pipe, vent, and electrical conduit visible on LS slope.

Photo 2 of 3 : UCIP\_SP\_2019\_30203\_55601.jpg



Erosion in foreground with pipe and filter plant in background.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	13.88	Rating **	M	Issue No.	995 (cont)	
LM End	13.88	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.267355 °		38.267355 °
				-121.531262 °		-121.531262 °
DWR ID	22308					
Comment Code						
Inspector Comment						
FS_ID:30203 DS_ID:22308 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Erosion next to pipe on LS slope. FIELD_STRUCT_DESC: 16-inch steel irrigation discharge pipe through the levee, 3 feet below the crown. 14-inch pipe sleeved through the 16-inch pipe and a 1.5-inch steel electrical conduit at the same location. Slant pump on the waterside (WS) slope and a filter plant at the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1993, referenced as 5.6 feet below the crown. USACE Sacramento O&M Manual 104, February 1960, (RM 28.91), referenced as invert elevation 5.6 feet below the crown]. FS Date: 2/14/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_30203\_55600.jpg



Concrete headwall, pipe, and slantpump on WS slope.

LM Start	14.11	Rating **	M	Issue No.	50
LM End	14.17	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.269528 °	38.270113 °
				-121.534428 °	-121.535268 °
DWR ID	DWR_RD0003_02_s_2012_50				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_50\_20190311\_00035.jpg



Looking west at landscaping on landside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	14.20	Rating **	U	Issue No.	72
LM End	14.84	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.270369 °	38.276857 °
				-121.535582 °	-121.543988 °
DWR ID	DWR_RD0003_02_s_2012_72				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 2 : SP\_2019\_RD0003\_25\_72\_20190311\_00046.jpg



Looking westly at dense landscaping on landward shoulder and slope.

LM Start	<b>14.20</b>	Rating **	U	Issue No.	<b>72 (cont)</b>
LM End	<b>14.84</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP\_2019\_RD0003\_25\_72\_20190311\_00047.jpg



Looking northwest at dense landscaping on landside shoulder and slope.

LM Start	14.29	Rating **	M	Issue No.	132
LM End	14.29	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.271342 °	38.271342 °
				-121.536844 °	-121.536844 °
DWR ID	DWR_RD0003_02_s_2019_132				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove tree limbs from the landside slope.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_132\_20190404\_00329.jpg



View looking downslope at tree limbs on the landside slope (Spring 2019).

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	14.32	Rating **	M	Issue No.	168
LM End	14.40	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.271622 °	38.272350 °
				-121.537290 °	-121.538245 °
DWR ID	DWR_RD0003_02_f_2017_168				
Comment Code					
CR : Crops					
Inspector Comment					
Landowner has planted pear trees at the toe of the levee.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_168\_20190311\_00144.jpg



Looking northwest at the landside slope.

LM Start	14.49	Rating **	M	Issue No.	996	
LM End	14.49	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.273322 °	38.273322 °	
				-121.539311 °	-121.539311 °	
DWR ID	24791					
Comment Code						
Inspector Comment						
FS_ID:53486 DS_ID:24791 EP_NO: 15814 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 07/20/2018 Everything appears to be the same as last time. Still no gas line markers. Crossing remains "Non-Urgent" unless owner provides evidence that the crossing is in good condition. Then it would be "No Action Needed." (A. McDonald - DWR UCIP)07/06/2016 No markers found, only a communications marker down Leary Rd. (DWR UCIP - kfazel)02/14/2014 Signs should be installed on levee to indicate presence of gasline. (DWR UCIP - pamatya) FIELD_STRUCT_DESC: 4.5-inch steel natural gas pipeline under both levees and the Sacramento River, 60.5 feet below the crown. (Plans to bore a 4.5-inch gas pipeline under both levees and the Sacramento River authorized under Permit No. 15814, 1991 - Benton Oil and Gas Company [Petroleum Properties Corporation]. Drawings available in permit). FS Date: 7/20/2018						

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	14.86	Rating **	M	Issue No.	123
LM End	14.86	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.277082 °	38.277082 °
				-121.544185 °	-121.544185 °
DWR ID	DWR_RD0003_02_f_2018_123				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Trim trees at the landside toe.					

No Photos

LM Start	14.90	Rating **	M	Issue No.	997
LM End	14.90	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.277619 °	38.277619 °
				-121.544705 °	-121.544705 °
DWR ID	22370				
Comment Code					
Inspector Comment					
FS_ID:30164 DS_ID:22370 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Pipe abandoned and should be verified as having been done so properly. FIELD_STRUCT_DESC: *ABANDONED* 7-inch steel pipe of an unknown purpose through the levee, invert elevation 4.6 feet below the crown. (Green). 1.5-inch electrical conduit through the levee at the same location. Depression in-line with pump house on the waterside (WS) is a good indicator of the pipe location. 36-inch concrete standpipe at the landside (LS) toe. [DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 29.94)]. FS Date: 2/14/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_30164\_55565.jpg



Pumphouse on LS toe good indicator of abandoned pipe location.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	14.90	Rating **	M	Issue No.	997 (cont)	
LM End	14.90	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.277619 °		38.277619 °
				-121.544705 °		-121.544705 °
DWR ID	22370					
Comment Code						
Inspector Comment						
FS_ID:30164 DS_ID:22370 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Pipe abandoned and should be verified as having been done so properly. FIELD_STRUCT_DESC: *ABANDONED* 7-inch steel pipe of an unknown purpose through the levee, invert elevation 4.6 feet below the crown. (Green). 1.5-inch electrical conduit through the levee at the same location. Depression in-line with pump house on the waterside (WS) is a good indicator of the pipe location. 36-inch concrete standpipe at the landside (LS) toe. [DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 29.94)]. FS Date: 2/14/2014						

LM Start	<b>14.90</b>	Rating **	M	Issue No.	<b>997 (cont)</b>
LM End	<b>14.90</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_30164\_55564.jpg



Depression on WS slope and electrical conduit at approximate location of pipe.

Photo 3 of 3 : UCIP\_SP\_2019\_30164\_55563.jpg



Original pump now used for 10-inch.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	14.90	Rating **	M	Issue No.	998	
LM End	14.90	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.277631	°	38.277631
				-121.544718	°	-121.544718
DWR ID	22369					
Comment Code						
Inspector Comment						
FS_ID:30165 DS_ID:22369 EP_NO: 919 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: 10-inch steel irrigation discharge pipe through the levee, invert elevation 3.8 feet below the crown. Pump and gate valve in a pump house at the landside (LS) toe. 2-inch filler pipe at the same location, 3 feet below the crown. (Plans for the installation of a 10-inch, 7-gauge welded steel pipe through the levee authorized under Permit No. 919, 1943 - Dell Kercheval). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960 (RM 29.94)]. FS Date: 2/14/2014						

LM Start	<b>14.90</b>	Rating **	M	Issue No.	<b>998 (cont)</b>
LM End	<b>14.90</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_30165\_55568.jpg



Pipe visible on LS slope.

Photo 2 of 3 : UCIP\_SP\_2019\_30165\_55567.jpg



Pipe visible on WS slope and filler pipe visible.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	14.90	Rating **	M	Issue No.	998 (cont)	
LM End	14.90	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.277631 °	38.277631 °	
				-121.544718 °	-121.544718 °	
DWR ID	22369					
Comment Code						
Inspector Comment						
FS_ID:30165 DS_ID:22369 EP_NO: 919 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly. FIELD_STRUCT_DESC: 10-inch steel irrigation discharge pipe through the levee, invert elevation 3.8 feet below the crown. Pump and gate valve in a pump house at the landside (LS) toe. 2-inch filler pipe at the same location, 3 feet below the crown. (Plans for the installation of a 10-inch, 7-gauge welded steel pipe through the levee authorized under Permit No. 919, 1943 - Dell Kercheval). [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960 (RM 29.94)]. FS Date: 2/14/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_30165\_55566.jpg



Pump and gate valve visible in pumphouse. Connection to concrete standpipe failing.

LM Start	14.96	Rating **	U	Issue No.	53
LM End	15.02	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.278237 °	38.278930 °
				-121.545405 °	-121.546218 °
DWR ID	DWR_RD0003_02_s_2012_53				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_53\_20190311\_00036.jpg



Looking southeast at dense landscape on landward slope.

\* Location  
 LS : Land Side N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

\*\* Rating  
 A : Acceptable N : Not Inspected/Rated  
 M : Minimally Acceptable C : Corrected  
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type  
 Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement

## Reclamation District No. 0003 Grand Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	15.00	Rating **	A/W	Issue No.	142
LM End	15.07	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.278806 °	38.279444 °
				-121.545817 °	-121.546647 °
DWR ID	DWR_RD0003_02_f_2017_142				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description: District station 792+44 to 795+74, Sec. 16, T. 5 N. R. 4 E., M.D.M. Approximately 330 linear feet of erosion and sloughing exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/2 of the way down the slope from the crown and extends into the rip rap.					
Site ID No: 282					
Site Designation: LMA-108					
Repair Type: Erosion					
Rating: Area of Concern					
Field Date: 7/28/2017					
Notes: no berm					

LM Start	<b>15.00</b>	Rating **	A/W	Issue No.	<b>142 (cont)</b>
LM End	<b>15.07</b>	Issue Type +	Ma	Location *	

A photograph of a calm river or lake. In the foreground, there is a grassy bank with some tall, thin grasses and small white flowers. The water is still, reflecting the clear blue sky. On the opposite shore, there is a line of trees and a small hill. The sky is a uniform blue, and the overall scene is peaceful.

* Location	** Rating	+ Issue Type
LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  AW : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	15.00	Rating **	A/W	Issue No.	142 (cont)	
LM End	15.07	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			38.278806 °	38.279444 °	
				-121.545817 °	-121.546647 °	
DWR ID	DWR_RD0003_02_f_2017_142					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description: District station 792+44 to 795+74, Sec. 16, T. 5 N. R. 4 E., M.D.M. Approximately 330 linear feet of erosion and sloughing exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/2 of the way down the slope from the crown and extends into the rip rap.						
Site ID No: 282						
Site Designation: LMA-108						
Repair Type: Erosion						
Rating: Area of Concern						
Field Date: 7/28/2017						
Notes: no berm						

Photo 3 of 3 : SP\_2019\_RD0003\_25\_142\_20190311\_00114.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	15.26	Rating **	U	Issue No.	999
LM End	15.26	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.281302 °	38.281302 °
				-121.549338 °	-121.549338 °
DWR ID	22371				
Comment Code					
Inspector Comment					
FS_ID:53292 DS_ID:22371 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 07/20/2018 Everything appears to be the same as last time. No changes have been made. No new pipe has been put in. Crossing remains "Urgent" because of the holes visible in 2014. (DWR UCIP - A. McDonald)07/06/2016 Heavy vegetation prevented visibility. Per RD0003 president David Robertson, WS erosion repaired last Spring. Could not fully see any repair work done. Need to return when vegetation cleared. Appears abandoned and if so should be done properly. (DWR UCIP - K. Fazel)02/14/2014 Pipe rusted through on WS slope. Appears abandoned and should be done so properly. Erosion of WS slope under pipe on WS toe. (DWR FPIIB - G. Wylie) FIELD_STRUCT_DESC: *ABANDONED* 12-inch steel irrigation discharge pipe through the levee, invert elevation 7 feet below the crown. Slant pump next to old pump house on the waterside (WS) slope. 2-inch filler pipe at the same location. 4-foot by 8-foot concrete distribution box and standpipe at the landside (LS) toe. (Plans to replace a 12-inch steel pipe through the levee authorized under Permit No. 7082, 1974 - Pacific Fruit Farms). Permit was canceled. Original pipe remains. [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 30.30)]. FS Date: 7/20/2018					

LM Start	15.26	Rating **	U	Issue No.	999 (cont)
LM End	15.26	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_53292\_55542.jpg



Concrete distribution box on LS toe with electrical conduit visible.

Photo 2 of 3 : UCIP\_SP\_2019\_53292\_55541.jpg



Pumphouse on WS slope next to slant pump.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	15.26	Rating **	U	Issue No.	999 (cont)	
LM End	15.26	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.281302 °	38.281302 °	
				-121.549338 °	-121.549338 °	
DWR ID	22371					
Comment Code						
Inspector Comment						
FS_ID:53292 DS_ID:22371 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 07/20/2018 Everything appears to be the same as last time. No changes have been made. No new pipe has been put in. Crossing remains "Urgent" because of the holes visible in 2014. (DWR UCIP - A. McDonald)07/06/2016 Heavy vegetation prevented visibility. Per RD0003 president David Robertson, WS erosion repaired last Spring. Could not fully see any repair work done. Need to return when vegetation cleared. Appears abandoned and if so should be done properly. (DWR UCIP - K. Fazel)02/14/2014 Pipe rusted through on WS slope. Appears abandoned and should be done so properly. Erosion of WS slope under pipe on WS toe. (DWR FPIIB - G. Wylie) FIELD_STRUCT_DESC: *ABANDONED* 12-inch steel irrigation discharge pipe through the levee, invert elevation 7 feet below the crown. Slant pump next to old pump house on the waterside (WS) slope. 2-inch filler pipe at the same location. 4-foot by 8-foot concrete distribution box and standpipe at the landside (LS) toe. (Plans to replace a 12-inch steel pipe through the levee authorized under Permit No. 7082, 1974 - Pacific Fruit Farms). Permit was canceled. Original pipe remains. [Additional Reference(s): DWR Levee Log, 1993. USACE Sacramento O&M Manual 104, February 1960, (RM 30.30)]. FS Date: 7/20/2018						

Photo 3 of 3 : UCIP\_SP\_2019\_53292\_55540.jpg



Slant pump on WS slope.

LM Start	15.37	Rating **	M	Issue No.	134
LM End	15.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.282243 °	38.282243 °
				-121.550917 °	-121.550917 °
DWR ID	DWR_RD0003_02_s_2017_134				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove prunings from the landside slope.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_134\_20190311\_00098.jpg



Looking southwest at the landside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	15.43	Rating **	N	Issue No.	122
LM End	15.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.282672 °	38.282672 °
				-121.551847 °	-121.551847 °
DWR ID	DWR_RD0003_02_f_2018_122				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
Remove tree stump from the landside toe.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_122\_20190311\_00085.jpg



View of large stump at the landside toe of the levee (October 2018).

LM Start	15.46	Rating **	A/W	Issue No.	149
LM End	15.47	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.283119 °	38.283172 °
				-121.552250 °	-121.552347 °
DWR ID	DWR_RD0003_02_f_2017_149				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:District station 816+64 to 816+97, Sec. 16, T. 5 N. R. 4 E., M.D.M. Approximately 33 linear feet of erosion exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/2 ofthe way down the slope from the crown and extends into the rip rap. A section of rip rap has eroded away in this location.					
Site ID No:283					
Site Designation:LMA-109					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/26/2017					
Notes:					

Photo 1 of 3 : SP\_2019\_RD0003\_25\_149\_20190311\_00123.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	15.46	Rating **	A/W	Issue No.	149 (cont)
LM End	15.47	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.283119 °	38.283172 °
				-121.552250 °	-121.552347 °
DWR ID	DWR_RD0003_02_f _ 2017_149				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:District station 816+64 to 816+97, Sec. 16, T. 5 N. R. 4 E., M.D.M. Approximately 33 linear feet of erosion exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/2 ofthe way down the slope from the crown and extends into the rip rap. A section of rip rap has eroded away in this location.					
Site ID No:283					
Site Designation:LMA-109					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/26/2017					
Notes:					

Photo 2 of 3 : SP\_2019\_RD0003\_25\_149\_20190311\_00124.jpg



LM Start	<b>15.46</b>	Rating **	A/W	Issue No.	<b>149 (cont)</b>
LM End	<b>15.47</b>	Issue Type +	Ma	Location *	

Photo 3 of 3 : SP\_2019\_RD0003\_25\_149\_20190311\_00125.jpg



**\* Location**  
 LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

**\*\* Rating**  
 A : Acceptable  
 M : Minimally Acceptable  
 U : Unacceptable  
 N : Not Inspected/Rated  
 C : Corrected  
 A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
 Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	15.47	Rating **	U	Issue No.	94
LM End	15.47	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.283050 °	38.283050 °
				-121.552506 °	-121.552506 °
DWR ID	DWR_RD0003_02_s_2013_94				
Comment Code					
V6 : Landscaping					
Inspector Comment					
There is dense landscaping on the landside slope and toe.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_94\_20190311\_00071.jpg



Looking northwest at landscape at landward toe.

LM Start	15.56	Rating **	M	Issue No.	117
LM End	15.56	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.283910 °	38.283910 °
				-121.553807 °	-121.553807 °
DWR ID	DWR_RD0003_02_s_2019_117				
Comment Code					
ST : Stairway					
Inspector Comment					
There is a stairway on the slope.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_117\_20190404\_00328.jpg



View looking downslope at stairway on the landside slope (Spring 2019).

LM Start	15.58	Rating **	U	Issue No.	79
LM End	15.68	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.284124 °	38.285129 °
				-121.554084 °	-121.555342 °
DWR ID	DWR_RD0003_02_s_2012_79				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 2 : SP\_2019\_RD0003\_25\_79\_20190311\_00057.jpg



Looking northwest at dense landscaping on landside shoulder and slope.

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	15.58	Rating **	U	Issue No.	79 (cont)	
LM End	15.68	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.284124 °		38.285129 °
				-121.554084 °		-121.555342 °
DWR ID	DWR_RD0003_02_s_2012_79					
Comment Code						
V6 : Landscaping						
Inspector Comment						

Photo 2 of 2 : SP\_2019\_RD0003\_25\_79\_20190311\_00058.jpg



Looking southeast at landscaping on levee slope and toe obstruct access and visibility.

LM Start	15.61	Rating **	U	Issue No.	144
LM End	15.61	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.284393 °	38.284393 °
				-121.554319 °	-121.554319 °
DWR ID	DWR_RD0003_02_f_2015_144				
Comment Code					
PR : Prunings					
Inspector Comment					
Prunings piled on the landside slope and toe along with tree stumps.					

Photo 1 of 2 : SP\_2019\_RD0003\_25\_144\_20190311\_00116.jpg



Looking south at prunings on landward slope. (Fall 2016)

LM Start	<b>15.61</b>	Rating **	U	Issue No.	<b>144 (cont)</b>
LM End	<b>15.61</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP\_2019\_RD0003\_25\_144\_20190311\_00117.jpg



Looking southwest at prunings on landward slope and toe. (Spring 2016)

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	15.70	Rating **	M	Issue No.	116
LM End	15.70	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.285349 °	38.285349 °
				-121.555548 °	-121.555548 °
DWR ID	DWR_RD0003_02_s_2019_116				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Remove fallen palm tree limbs.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_116\_20190404\_00327.jpg



View looking downslope at fallen palm limbs at the bottom of the landside slope (Spring 2019).

LM Start	15.71	Rating **	M	Issue No.	1000	
LM End	15.71	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.285491 °	38.285491 °	
				-121.555625 °	-121.555625 °	
DWR ID	22334					
Comment Code						
Inspector Comment						
FS_ID:30084 DS_ID:22334 EP_NO: 2137 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly. Leak apparent at pipe connection to concrete standpipe at LS toe. Good candidate for video inspection. FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, invert elevation 9 feet below the crown. Slant pump on the waterside (WS) slope. 44-inch concrete standpipe at the landside (LS) toe. 1.5-inch electrical conduit through the levee at the same location. Filter plant at the LS toe. (Plans for the installation of a 12-inch irrigation pipe through the levee authorized under Permit No. 2137, 1955 - Pacific Fruit Exchange). [Additional Reference(s): DWR Levee Log, 1993, 14-inch pipe referenced, 6.5 feet below the crown. USACE Sacramento O&M Manual 104, February 1960, (RM 30.76)]. FS Date: 2/14/2014						

Photo 1 of 3 : UCIP\_SP\_2019\_30084\_55485.jpg



Concrete standpipe, filter plant, power pole and meter on LS toe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	15.71	Rating **	M	Issue No.	1000 (cont)	
LM End	15.71	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.285491 °	38.285491 °	
				-121.555625 °	-121.555625 °	
DWR ID	22334					
Comment Code						
Inspector Comment						
FS_ID:30084 DS_ID:22334 EP_NO: 2137 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and if so should be done so properly. Leak apparent at pipe connection to concrete standpipe at LS toe. Good candidate for video inspection. FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, invert elevation 9 feet below the crown. Slant pump on the waterside (WS) slope. 44-inch concrete standpipe at the landside (LS) toe. 1.5-inch electrical conduit through the levee at the same location. Filter plant at the LS toe. (Plans for the installation of a 12-inch irrigation pipe through the levee authorized under Permit No. 2137, 1955 - Pacific Fruit Exchange). [Additional Reference(s): DWR Levee Log, 1993, 14-inch pipe referenced, 6.5 feet below the crown. USACE Sacramento O&M Manual 104, February 1960, (RM 30.76)]. FS Date: 2/14/2014						

LM Start	15.71	Rating **	M	Issue No.	1000 (cont)
LM End	15.71	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_30084\_55484.jpg



Siphon breaker on LS shoulder.

Photo 3 of 3 : UCIP\_SP\_2019\_30084\_55483.jpg



Slant pump on WS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	15.71	Rating **	M	Issue No.	1001
LM End	15.71	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.285500 °	38.285500 °
				-121.555635 °	-121.555635 °
DWR ID	22375				
Comment Code					
Inspector Comment					
FS_ID:30083 DS_ID:22375 EP_NO: 7356 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe debris on WS slope. FIELD_STRUCT_DESC: 10-inch steel irrigation discharge pipe through the levee, 6.5 feet below the crown. 8-inch pipe on the landside (LS) slope. 6-inch pipe on the waterside (WS) slope. Pump and gate valve on the WS slope. (Plans to install a 6-inch pipe and pump on the WS slope of the levee authorized under Permit No. 7356, 1971 - Pacific Fruit Farms. USACE, Unit No. 15, 1969). [Additional Reference(s): DWR Levee Log, 1993]. FS Date: 2/14/2014					

LM Start	15.71	Rating **	M	Issue No.	1001 (cont)
LM End	15.71	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_30083\_55482.jpg



Pump on WS slope next to slant pump.

Photo 2 of 3 : UCIP\_SP\_2019\_30083\_55481.jpg



Vent or Siphon Breaker in 14-inch steel riser on LS slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	15.71	Rating **	M	Issue No.	1001 (cont)	
LM End	15.71	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			38.285500 °		38.285500 °
				-121.555635 °		-121.555635 °
DWR ID	22375					
Comment Code						
Inspector Comment						
FS_ID:30083 DS_ID:22375 EP_NO: 7356 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe debris on WS slope. FIELD_STRUCT_DESC: 10-inch steel irrigation discharge pipe through the levee, 6.5 feet below the crown. 8-inch pipe on the landside (LS) slope. 6-inch pipe on the waterside (WS) slope. Pump and gate valve on the WS slope. (Plans to install a 6-inch pipe and pump on the WS slope of the levee authorized under Permit No. 7356, 1971 - Pacific Fruit Farms. USACE, Unit No. 15, 1969). [Additional Reference(s): DWR Levee Log, 1993]. FS Date: 2/14/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_30083\_55480.jpg



Pipe and filter plant on LS toe.

LM Start	15.94	Rating **	M	Issue No.	124
LM End	15.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.288009 °	38.288009 °
				-121.558398 °	-121.558398 °
DWR ID	DWR_RD0003_02_s_2018_124				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
There is vehicle erosion on the landside slope.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_124\_20190311\_00086.jpg



Vehicle erosion on landside slope should be repaired.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	16.04	Rating **	M	Issue No.	1002
LM End	16.04	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.289098 °	38.289098 °
				-121.559597 °	-121.559597 °
DWR ID	22376				
Comment Code					
Inspector Comment					
FS_ID:30004 DS_ID:22376 EP_NO: 17382 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Tank on LS slope not listed in permit. FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, 10 feet below the crown. Pump and butterfly valve in a pump house at the landside (LS) toe. Siphon breaker on the waterside (WS) slope. Tank on the LS slope. (Plans to abandon in place two existing deteriorated pipes and install a 12-inch steel irrigation pipe and a 2-inch steel irrigation pipe through the crown and on the slopes of the levee authorized under Permit No. 17382, 2001 - Ferreira Estate Company, DCC Engineering Company, Inc). [Additional Reference(s): DWR Levee Log, 1993, referenced as 5.2 feet below the crown]. FS Date: 2/14/2014					

Photo 1 of 3 : UCIP\_SP\_2019\_30004\_55382.jpg



Pump in pumphouse on LS toe.

LM Start	<b>16.04</b>	Rating **	M	Issue No.	<b>1002 (cont)</b>
LM End	<b>16.04</b>	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP\_SP\_2019\_30004\_55381.jpg



Tank on LS slope not noted in permit.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	16.04	Rating **	M	Issue No.	1002 (cont)	
LM End	16.04	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.289098 °	38.289098 °	
				-121.559597 °	-121.559597 °	
DWR ID	22376					
Comment Code						
Inspector Comment						
FS_ID:30004 DS_ID:22376 EP_NO: 17382 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Tank on LS slope not listed in permit. FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, 10 feet below the crown. Pump and butterfly valve in a pump house at the landside (LS) toe. Siphon breaker on the waterside (WS) slope. Tank on the LS slope. (Plans to abandon in place two existing deteriorated pipes and install a 12-inch steel irrigation pipe and a 2-inch steel irrigation pipe through the crown and on the slopes of the levee authorized under Permit No. 17382, 2001 - Ferreira Estate Company, DCC Engineering Company, Inc). [Additional Reference(s): DWR Levee Log, 1993, referenced as 5.2 feet below the crown]. FS Date: 2/14/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_30004\_55380.jpg



Pipe visible on WS slope.

LM Start	16.04	Rating **	M	Issue No.	75
LM End	16.04	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.289126 °	38.289126 °
				-121.559631 °	-121.559631 °
DWR ID	DWR_RD0003_02_s_2014_75				
Comment Code					
TA : Tank					
Inspector Comment					
A tank is located next to an irrigation system on the landside slope. No permit for this tank was found.					

Photo 1 of 2 : SP\_2019\_RD0003\_25\_75\_20190311\_00048.jpg



Looking west at tank next to pump house on landward slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	16.04	Rating **	M	Issue No.	75 (cont)	
LM End	16.04	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.289126 °		38.289126 °
				-121.559631 °		-121.559631 °
DWR ID	DWR_RD0003_02_s_2014_75					
Comment Code						
TA : Tank						
Inspector Comment						
A tank is located next to an irrigation system on the landside slope. No permit for this tank was found.						

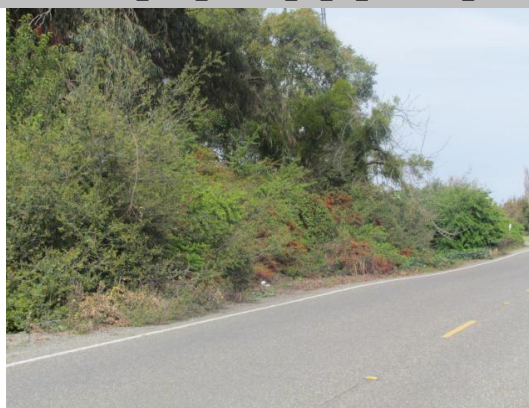
Photo 2 of 2 : SP\_2019\_RD0003\_25\_75\_20190311\_00049.jpg



Looking southwest at tank on landside slope.

LM Start	16.20	Rating **	U	Issue No.	60
LM End	16.25	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.290742 °	38.291390 °
				-121.561575 °	-121.562268 °
DWR ID	DWR_RD0003_02_s_2012_60				
Comment Code					
V6 : Landscaping					
Inspector Comment					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_60\_20190311\_00041.jpg



Looking west at dense landscaping on landside shoulder and slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	16.34	Rating **	M	Issue No.	1003
LM End	16.34	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.292413 °	38.292413 °
				-121.563301 °	-121.563301 °
DWR ID	22378				
Comment Code					
Inspector Comment					
FS_ID:29986 DS_ID:22378 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: siphon breaker on LS slope should have CMP riser protection. FIELD_STRUCT_DESC: 16-inch steel irrigation discharge pipe through the levee, 8 feet below the crown. Slant pump on the waterside (WS) slope. Siphon breaker on the landside (LS) slope. 44-inch concrete standpipe at the LS toe. 2-inch aluminum electrical conduit through the levee at the same location as the pipe. (T. Ferreira. USACE Unit No. 6, 1967). [Additional Reference(s): DWR Levee Log, 1993, referenced as 15 feet below the crown. USACE Sacramento O&M Manual 104, February 1960, (RM 31.39), 12-inch pipe, invert elevation 15 feet below the crown, referenced]. FS Date: 2/14/2014					

LM Start	<b>16.34</b>	Rating **	M	Issue No.	<b>1003 (cont)</b>
LM End	<b>16.34</b>	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP\_SP\_2019\_29986\_55369.jpg



Slant pump and electrical conduit on WS slope.

Photo 2 of 3 : UCIP\_SP\_2019\_29986\_55368.jpg



44-inch concrete standpipe on LS toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	16.34	Rating **	M	Issue No.	1003 (cont)	
LM End	16.34	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.292413 °	38.292413 °	
				-121.563301 °	-121.563301 °	
DWR ID	22378					
Comment Code						
Inspector Comment						
FS_ID:29986 DS_ID:22378 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: siphon breaker on LS slope should have CMP riser protection. FIELD_STRUCT_DESC: 16-inch steel irrigation discharge pipe through the levee, 8 feet below the crown. Slant pump on the waterside (WS) slope. Siphon breaker on the landside (LS) slope. 44-inch concrete standpipe at the LS toe. 2-inch aluminum electrical conduit through the levee at the same location as the pipe. (T. Ferreira. USACE Unit No. 6, 1967). [Additional Reference(s): DWR Levee Log, 1993, referenced as 15 feet below the crown. USACE Sacramento O&M Manual 104, February 1960, (RM 31.39), 12-inch pipe, invert elevation 15 feet below the crown, referenced]. FS Date: 2/14/2014						

Photo 3 of 3 : UCIP\_SP\_2019\_29986\_55367.jpg



Siphon breaker on LS slope

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	<b>16.47</b>	Rating **	U	Issue No.	<b>1004</b>
LM End	<b>16.47</b>	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		38.293883 °	38.293883 °	
			-121.564784 °	-121.564784 °	
DWR ID	22380				

**Comment Code**

**Inspector Comment**

FS\_ID:53536  
DS\_ID:22380  
EP\_NO: 1075  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 12/20/2018 Permit issued for removing and replacing an existing 10-inch steel pipeline with a new 10-inch steel pipeline through the levee. (A. McDonald - DWR UCIP)07/20/2018 Sinkhole is still visible on the crown roadway, but it hasn't appeared to have gotten any deeper. Sinkhole on the LS slope has been repaired. No pipe replacement has been made yet. Need to determine the pipe condition through the levee. Crossing remains "Urgent" due to signs of integrity issues. (A. McDonald - DWR UCIP)07/06/2016 Same as last inspection. Pipe to be replaced soon via CVFPB permit. (DWR UCIP - kfazel)02/14/2014 Apparent sinkhole over pipe at crown. Appears abandoned and should be done so properly. (DWR UCIP - pamatya) FIELD\_STRUCT\_DESC: 10-inch (not 12-inch as mentioned in the desk study) steel irrigation discharge pipe through the levee, invert elevation 3.7 feet below the crown. Pump and gate valve on a pier on the waterside (WS) slope. 44-inch concrete standpipe at the landside (LS) toe. 1.5-inch electrical conduit through the levee at the same location. (To install a pumping plant with a 12-inch discharge line through the levee authorized by Permit No. 1075, 1945 - R. B. Kercheval). Robert Kercheval, lindakerch@gmail.com, (916) 429-8005, with DCC Engineering Company, Inc, has applied for a replacement CVFPB permit. Contact: Emily Pappalardo, emily@dccengineering.net. (To remove and replace an existing 10-inch steel pipeline with a new 10-inch steel pipeline through the levee authorized by Permit No. 748-1, 2018 - Robert Kercheval). [Additional Reference(s): DWR Levee Log, 1993, 12-inch pipe referenced. USACE Sacramento O&M Manual 104, February 1960, (RM 31.52), 8-inch pipe referenced].  
FS Date: 12/20/2018

Photo 1 of 3 : UCIP\_SP\_2019\_53536\_55362.jpg



Pipe and pump on concrete pad on WS slope.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	16.47	Rating **	U	Issue No.	1004 (cont)
LM End	16.47	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.293883 °	38.293883 °
				-121.564784 °	-121.564784 °
DWR ID	22380				

**Comment Code**

**Inspector Comment**

FS\_ID:53536

DS\_ID:22380

EP\_NO: 1075

Repair Type: Urgent

Crossing Status: Found

UCIP Comments: 12/20/2018 Permit issued for removing and replacing an existing 10-inch steel pipeline with a new 10-inch steel pipeline through the levee. (A. McDonald - DWR UCIP)07/20/2018 Sinkhole is still visible on the crown roadway, but it hasn't appeared to have gotten any deeper. Sinkhole on the LS slope has been repaired. No pipe replacement has been made yet. Need to determine the pipe condition through the levee. Crossing remains "Urgent" due to signs of integrity issues. (A. McDonald - DWR UCIP)07/06/2016 Same as last inspection. Pipe to be replaced soon via CVFPB permit. (DWR UCIP - kfazel)02/14/2014 Apparent sinkhole over pipe at crown. Appears abandoned and should be done so properly. (DWR UCIP - pamatya) FIELD\_STRUCT\_DESC: 10-inch (not 12-inch as mentioned in the desk study) steel irrigation discharge pipe through the levee, invert elevation 3.7 feet below the crown. Pump and gate valve on a pier on the waterside (WS) slope. 44-inch concrete standpipe at the landside (LS) toe. 1.5-inch electrical conduit through the levee at the same location. (To install a pumping plant with a 12-inch discharge line through the levee authorized by Permit No. 1075, 1945 - R. B. Kercheval). Robert Kercheval, lindakerch@gmail.com, (916) 429-8005, with DCC Engineering Company, Inc, has applied for a replacement CVFPB permit. Contact: Emily Pappalardo, emily@dccengineering.net. (To remove and replace an existing 10-inch steel pipeline with a new 10-inch steel pipeline through the levee authorized by Permit No. 748-1, 2018 - Robert Kercheval). [Additional Reference(s): DWR Levee Log, 1993, 12-inch pipe referenced. USACE Sacramento O&M Manual 104, February 1960, (RM 31.52), 8-inch pipe referenced].

FS Date: 12/20/2018

Photo 2 of 3 : UCIP\_SP\_2019\_53536\_55361.jpg



Apparent sinkhole over pipe at crown.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	16.47	Rating **	U	Issue No.	1004 (cont)
LM End	16.47	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.293883 °	38.293883 °
				-121.564784 °	-121.564784 °
DWR ID	22380				

**Comment Code**

**Inspector Comment**

FS\_ID:53536  
DS\_ID:22380  
EP\_NO: 1075  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 12/20/2018 Permit issued for removing and replacing an existing 10-inch steel pipeline with a new 10-inch steel pipeline through the levee. (A. McDonald - DWR UCIP)07/20/2018 Sinkhole is still visible on the crown roadway, but it hasn't appeared to have gotten any deeper. Sinkhole on the LS slope has been repaired. No pipe replacement has been made yet. Need to determine the pipe condition through the levee. Crossing remains "Urgent" due to signs of integrity issues. (A. McDonald - DWR UCIP)07/06/2016 Same as last inspection. Pipe to be replaced soon via CVFPB permit. (DWR UCIP - kfazel)02/14/2014 Apparent sinkhole over pipe at crown. Appears abandoned and should be done so properly. (DWR UCIP - pamatya) FIELD\_STRUCT\_DESC: 10-inch (not 12-inch as mentioned in the desk study) steel irrigation discharge pipe through the levee, invert elevation 3.7 feet below the crown. Pump and gate valve on a pier on the waterside (WS) slope. 44-inch concrete standpipe at the landside (LS) toe. 1.5-inch electrical conduit through the levee at the same location. (To install a pumping plant with a 12-inch discharge line through the levee authorized by Permit No. 1075, 1945 - R. B. Kercheval). Robert Kercheval, lindakerch@gmail.com, (916) 429-8005, with DCC Engineering Company, Inc, has applied for a replacement CVFPB permit. Contact: Emily Pappalardo, emily@dccengineering.net. (To remove and replace an existing 10-inch steel pipeline with a new 10-inch steel pipeline through the levee authorized by Permit No. 748-1, 2018 - Robert Kercheval). [Additional Reference(s): DWR Levee Log, 1993, 12-inch pipe referenced. USACE Sacramento O&M Manual 104, February 1960, (RM 31.52), 8-inch pipe referenced].  
FS Date: 12/20/2018

Photo 3 of 3 : UCIP\_SP\_2019\_53536\_55360.jpg



Concrete standpipe and meter on pole at LS toe.

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	16.54	Rating **	M	Issue No.	166
LM End	16.54	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.294600 °	38.294600 °
				-121.565592 °	-121.565592 °
DWR ID	DWR_RD0003_02_f_2017_166				
Comment Code					
EQ : Equipment					
Inspector Comment					
Landowner has equipment and wood stored at toe of landside slope.					

Photo 1 of 2 : SP\_2019\_RD0003\_25\_166\_20190311\_00141.jpg



Looking southwest at the landside slope.

LM Start	<b>16.54</b>	Rating **	M	Issue No.	<b>166 (cont)</b>
LM End	<b>16.54</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP\_2019\_RD0003\_25\_166\_20190311\_00142.jpg



Equipment at landside toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

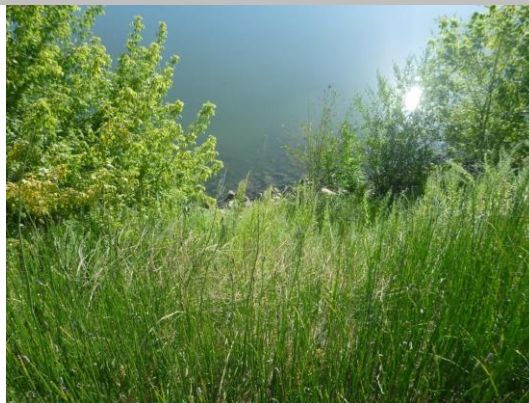
**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	16.54	Rating **	A/W	Issue No.	150
LM End	16.56	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.294717 °	38.294986 °
				-121.565417 °	-121.565661 °
DWR ID	DWR_RD0003_02_f _ 2017_150				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:District station 873+61 to 874+83, Sec. 08, T. 5 N. R. 4 E., M.D.M. Approximately 122 linear feet of erosion exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/2 of the way down the slope from the crown and extends beyond the rip rap. A section of rip rap has eroded away in this location.					
Site ID No:284					
Site Designation:LMA-110					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/28/2017					
Notes: no berm					

Photo 1 of 2 : SP\_2019\_RD0003\_25\_150\_20190311\_00126.jpg



LM Start	<b>16.54</b>	Rating **	A/W	Issue No.	<b>150 (cont)</b>
LM End	<b>16.56</b>	Issue Type +	Ma	Location *	

Photo 2 of 2 : SP\_2019\_RD0003\_25\_150\_20190311\_00127.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	16.58	Rating **	M	Issue No.	77
LM End	16.60	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.295082 °	38.295395 °
				-121.566037 °	-121.566232 °
DWR ID	DWR_RD0003_02_s_2012_77				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Landowner removed oleanders, but other vegetation is still blocking the view of the landside slope and toe.					

LM Start	<b>16.58</b>	Rating **	M	Issue No.	<b>77 (cont)</b>
LM End	<b>16.60</b>	Issue Type +	En	Location *	LS

Photo 1 of 4 : SP\_2019\_RD0003\_25\_77\_20190311\_00052.jpg



Looking west at landscaping on landside shoulder and slope. (Fall 2015)

Photo 2 of 4 : SP\_2019\_RD0003\_25\_77\_20190311\_00053.jpg



Looking north at landscape on landward slope and toe. (Spring 2016)

LM Start	<b>16.58</b>	Rating **	M	Issue No.	<b>77 (cont)</b>
LM End	<b>16.60</b>	Issue Type +	En	Location *	LS

Photo 3 of 4 : SP\_2019\_RD0003\_25\_77\_20190311\_00054.jpg



Looking north at landscape on landward slope and toe. (Spring 2016)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

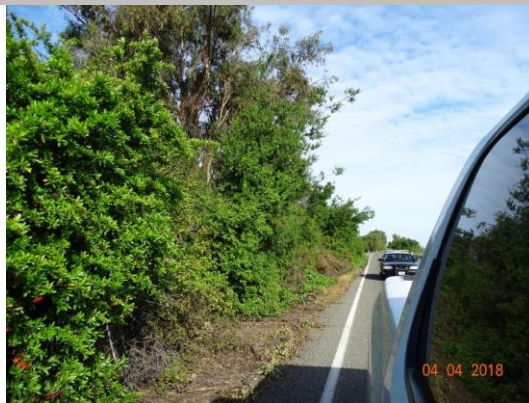
**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	16.58	Rating **	M	Issue No.	77 (cont)	
LM End	16.60	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Vegetation			38.295082 °	38.295395 °	
				-121.566037 °	-121.566232 °	
DWR ID	DWR_RD0003_02_s_2012_77					
Comment Code						
V6 : Landscaping						
Inspector Comment						
Landowner removed oleanders, but other vegetation is still blocking the view of the landside slope and toe.						

Photo 4 of 4 : SP\_2019\_RD0003\_25\_77\_20190311\_00055.jpg



Dense landside landscaping.

LM Start	16.60	Rating **	M	Issue No.	146
LM End	16.60	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.295263 °	38.295263 °
				-121.566193 °	-121.566193 °
DWR ID	DWR_RD0003_02_s_2016_146				
Comment Code					
FE : Fence					
Inspector Comment					
Landowner installed a white fence on the landside shoulder. No permit was identified for this fence.					

Photo 1 of 2 : SP\_2019\_RD0003\_25\_146\_20190311\_00120.jpg



Looking northeast at new fence on landward slope.

LM Start	<b>16.60</b>	Rating **	M	Issue No.	<b>146 (cont)</b>
LM End	<b>16.60</b>	Issue Type +	En	Location *	LS

Photo 2 of 2 : SP\_2019\_RD0003\_25\_146\_20190311\_00121.jpg



* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

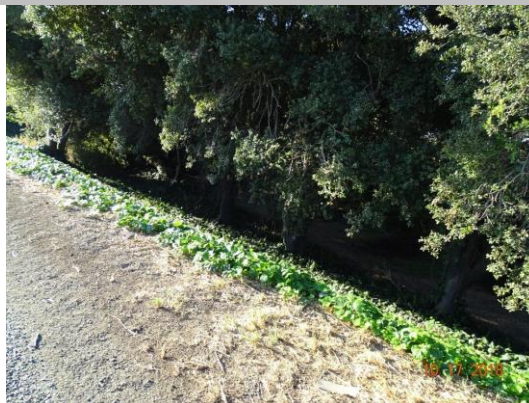
**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	16.62	Rating **	M	Issue No.	121
LM End	16.64	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.295578 °	38.295823 °
				-121.566498 °	-121.566717 °
DWR ID	DWR_RD0003_02_f_2018_121				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Remove ivy on the landside slope.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_121\_20190311\_00084.jpg



View of ivy on landside slope (October 2018).

LM Start	16.90	Rating **	A/W	Issue No.	152
LM End	16.90	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.298914 °	38.298997 °
				-121.569156 °	-121.569217 °
DWR ID	DWR_RD0003_02_f_2017_152				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:District station 892+36 to 892+70, Sec. 08, T. 5 N. R. 4 E., M.D.M. Approximately 34 linear feet of erosion exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/2 of the way down the slope from the crown and extends into the rip rap. A section of rip rap has eroded away in this location.					
Site ID No:285					
Site Designation:LMA-111					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/28/2017					
Notes: highway on crown					

Photo 1 of 3 : SP\_2019\_RD0003\_25\_152\_20190311\_00130.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

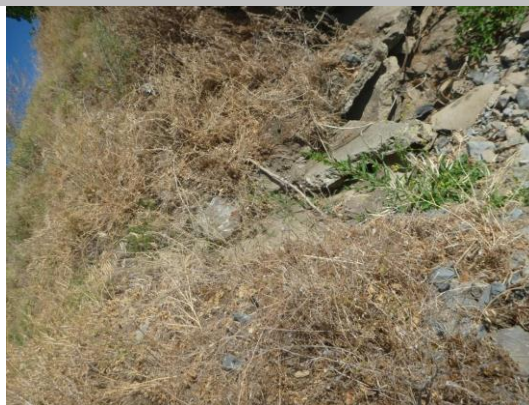
Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	16.90	Rating **	A/W	Issue No.	152 (cont)
LM End	16.90	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			38.298914 °	38.298997 °
				-121.569156 °	-121.569217 °
DWR ID	DWR_RD0003_02_f_2017_152				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:District station 892+36 to 892+70, Sec. 08, T. 5 N. R. 4 E., M.D.M. Approximately 34 linear feet of erosion exists along the water side slope of the Sacramento River (Unit 2). The erosion commences approximately 1/2 of the way down the slope from the crown and extends into the rip rap. A section of rip rap has eroded away in this location.					
Site ID No:285					
Site Designation:LMA-111					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/28/2017					
Notes: highway on crown					

Photo 2 of 3 : SP\_2019\_RD0003\_25\_152\_20190311\_00131.jpg



Photo 3 of 3 : SP\_2019\_RD0003\_25\_152\_20190311\_00132.jpg



<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	16.97	Rating **	M	Issue No.	165
LM End	16.97	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.299744 °	38.299744 °
				-121.570108 °	-121.570108 °
DWR ID	DWR_RD0003_02_f_2017_165				
Comment Code					
DT : Ditch					
Inspector Comment					
Appears that the landowner has dug a shallow trench along the toe of the levee to drain water from irrigation.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_165\_20190311\_00140.jpg



Looking northwest at the landside slope.

LM Start	17.27	Rating **	M	Issue No.	114
LM End	17.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.303351 °	38.303351 °
				-121.573084 °	-121.573084 °
DWR ID	DWR_RD0003_02_s_2019_114				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
There is a depression on the landside slope.					

Photo 1 of 2 : SP\_2019\_RD0003\_25\_114\_20190404\_00323.jpg



View looking downstream at depression on the landside slope (Spring 2019).

LM Start	<b>17.27</b>	Rating **	M	Issue No.	<b>114 (cont)</b>
LM End	<b>17.27</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2019\_RD0003\_25\_114\_20190404\_00324.jpg



View looking downslope at depression on the landside slope (Spring 2019).

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Right Bank Sacramento River	Right	17.35	04/02/2019 04/03/2019	David Julian

LM Start	17.29	Rating **	N	Issue No.	113
LM End	17.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.303558 °	38.303558 °
				-121.573380 °	-121.573380 °
DWR ID	DWR_RD0003_02_s_2019_113				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
There is a tree stump about 6" at bottom of the levee slope.					

Photo 1 of 1 : SP\_2019\_RD0003\_25\_113\_20190404\_00322.jpg



View looking downslope at tree stumps on the landside (Spring 2019).

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2019 Levee Inspection Results**

**Reclamation District No. 0003 Grand Island**

Waterway			Bank	Unit Miles
Unit No. 03 Cross Levee				0.43
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/3/2019 - 4/3/2019			
DWR Inspector	David Julian			
Accompanied By	David Robinson RD 3			

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cross Levee		0.43	04/03/2019 04/03/2019	David Julian

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.182267 °	38.175989 °
				-121.653511 °	-121.653772 °
DWR ID	DWR_RD0003_03_s_2019_2				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Continue to maintain annual vegetation at a high rate.					

Photo 1 of 1 : SP\_2019\_RD0003\_610\_2\_20190403\_00003.jpg



View looking downstream at annual vegetation on the landside slope (Spring 2019).

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.43	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.182267 °	38.175989 °
				-121.653511 °	-121.653772 °
DWR ID	DWR_RD0003_03_s_2019_3				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Continue to maintain annual vegetation at a high rate.					

No Photos

LM Start	0.02	Rating **	M	Issue No.	1
LM End	0.02	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.182059 °	38.182059 °
				-121.653608 °	-121.653608 °
DWR ID	DWR_RD0003_03_f_2015_1				
Comment Code					
GA : Garbage					
Inspector Comment					
There is a discarded pipe on waterward slope.					

Photo 1 of 1 : SP\_2019\_RD0003\_610\_1\_20190311\_00001.jpg



Looking at discarded pipe on waterward slope.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2019**

**Reclamation District No. 0003 Grand Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Cross Levee		0.43	04/03/2019 04/03/2019	David Julian

LM Start	0.25	Rating **	M	Issue No.	6
LM End	0.29	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.178635 °	38.178037 °
				-121.653695 °	-121.653715 °
DWR ID	DWR_RD0003_03_s_2013_6				
Comment Code					
MA : Material					
Inspector Comment					
There is a stockpile of concrete rubble and a sandpile on waterward slope for immediate access to some flood fight materials.					

Photo 1 of 1 : SP\_2019\_RD0003\_610\_6\_20190311\_00002.jpg



Looking east at concrete rubble and other material stored on waterside shoulder and slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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